

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model  
Run on: September 14, 2003, 02:13:55 : Search time 469 Seconds  
(without alignments)  
9892.201 Million cell updates/sec  
Title: US-09-651-150B-1  
Perfect score: 1911  
Sequence: 1 aaaggagtaacagcagcgtgc.....ttactctgtctccatccctt 1911  
Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0  
Searched: 1632420 seqs, 1213878141 residues  
Total number of hits satisfying chosen parameters: 3264840  
Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_NA:\*

1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*

2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq:\*

3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:\*

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17: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1899	99.4	1910	10	US-09-135-238B-1
2	563.6	29.5	1480	11	US-09-866-050A-577
3	563.6	29.5	1480	14	US-10-152-661-577
4	403.2	21.1	432	11	US-09-918-993-16759
5	292.6	15.3	5209	11	US-09-822-846-64
6	240	12.6	1558	13	US-10-027-632-254012
c 7	146.2	7.7	5209	11	US-09-822-846-64
c 8	119	6.2	850	13	US-10-027-632-157849
9	86.4	4.5	804	13	US-10-027-632-157850
10	82	4.3	603	13	US-10-027-632-174839
11	60	3.1	60	12	US-09-908-975-13246
12	46.6	2.4	2320	9	US-09-215-652-15
13	46.6	2.4	2907	9	US-09-215-652-16
c 14	43	2.3	653	14	US-10-184-644-402
c 15	43	2.3	653	14	US-10-184-634-402
c 16	42.6	2.2	594	12	US-10-140-472-10

c 17	42.6	2.2	594	12	US-10-141-761-10	Sequence 10, Appl
c 18	42.6	2.2	594	12	US-10-142-885-10	Sequence 10, Appl
c 19	42.6	2.2	594	14	US-10-123-155-10	Sequence 10, Appl
c 20	42.6	2.2	594	15	US-10-146-731-10	Sequence 10, Appl
c 21	42	2.2	146547	14	US-10-017-128-1	Sequence 1, Appl
c 22	41.8	2.2	1387	10	US-03-880-107-2344	Sequence 2344, Ap
c 23	41.8	2.2	1433	11	US-09-791-196-1	Sequence 1, Appl
c 24	41.6	2.2	1173	14	US-10-156-761-1672	Sequence 1672, Ap
c 25	41.6	2.2	9025608	14	US-10-156-761-1	Sequence 1, Appl
c 26	41.4	2.2	440	14	US-10-184-644-202	Sequence 202, App
c 27	41.4	2.2	440	14	US-10-184-634-202	Sequence 202, App
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c 35	41.4	2.2	1614	13	US-10-023-523-45	Sequence 45, Appl
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c 40	41.4	2.2	12425	13	US-10-023-523-50	Sequence 50, Appl
c 41	40.8	2.1	671	14	US-10-184-644-346	Sequence 346, App
c 42	40.8	2.1	671	14	US-10-184-634-346	Sequence 346, App
c 43	40.8	2.1	152331	13	US-10-095-407-16	Sequence 16, Appl
c 44	40.6	2.1	1141	14	US-10-184-644-120	Sequence 120, App
c 45	40.6	2.1	1141	14	US-10-184-634-120	Sequence 120, App

ALIGNMENTS

RESULI 1

US-09-135-238B-1

: Sequence 1, Application US/09135238B

: Patent No. US20020177565A1

: GENERAL INFORMATION:

: APPLICANT: No. US20020177565A1an, Garry P.

: APPLICANT: Hitoshi, Yasumichi

: TITLE OF INVENTION: TOSO

: FILE REFERENCE: A65635-1/DJB/RMS

: CURRENT APPLICATION NUMBER: US/09/135,238B

: CURRENT FILING DATE: 1998-08-17

: PRIOR APPLICATION NUMBER: 60/066,063

: PRIOR FILING DATE: 1997-11-17

: NUMBER OF SEQ ID NOS: 31

: SOFTWARE: PatentIn Ver. 2.0

: SEQ ID NO 1

: LENGTH: 1910

: TYPE: DNA

: ORGANISM: Homo sapiens

US-09-135-238B-1

Query Match 99.4%; Score 1899; DB 10; Length 1910;

Best Local Similarity 99.9%; Pred. No. 0;

Matches 1910; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

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Db 1 AAAGAGTAAGCAGCGTGTCTCCATCCCGCTCTTAGGGGCTTTGGATGGACCTTGCAC 60

Qy 61 TCTAGAGGACAAATGGACTTCTGGCTTTGGCCACTTTTACTTCTGCGAGTATCAGGGGC 120

Db 61 TCTAGAGGACAAATGGACTTCTGGCTTTGGCCACTTTTACTTCTGCGAGTATCAGGGGC 120

Qy 121 CTGAGGATCTCCAGAAAGTAAGAGTAGGGGAGCTGGCGGATCAGTTACCATCAA 180

Db 121 CTGAGGATCTCCAGAAAGTAAGAGTAGGGGAGCTGGCGGATCAGTTACCATCAA 180

Qy 181 ATGCCCACTTCTGAAATGCAATGTGAGGATATATCTGTGCGGGAGATGGCTGGATCTGG 240

Db	181	ATGCCCACTTCCTGAAATGCAATCTGTAGAGATATATCTGTGCCGGGAGATGGCTGGATCTGG	240
Qy	241	AACATCTGCTACCGTGGTATCCACCAACCAACTTCATCAAGGCAGAAATCAAGGGCCGAGT	300
Db	241	AACATCTGCTACCGTGGTATCCACCAACCAACTTCATCAAGGCAGAAATCAAGGGCCGAGT	300
Qy	301	TACTCTGAAGCAATACCCACGCAAGAATCTGTTCCTAGTGGAGGTAAACACAGCTGACAGA	360
Db	301	TACTCTGAAGCAATACCCACGCAAGAATCTGTTCCTAGTGGAGGTAAACACAGCTGACAGA	360
Qy	361	AACTGTACAGCGGAGTCTATGCTCTGGGAGCGGSGCATGAACACAGACCGGGGAAACACCCA	420
Db	361	AACTGTACAGCGGAGTCTATGCTCTGGGAGCGGSGCATGAACACAGACCGGGGAAACACCCA	420
Qy	421	GAAAGTCACCTGAATGTCCACAGTGAATACGAGGCCATCATGGGAAGAGCAGCCAAATGCC	480
Db	421	GAAAGTCACCTGAATGTCCACAGTGAATACGAGGCCATCATGGGAAGAGCAGCCAAATGCC	480
Qy	481	TGAGACTCCAAAATGGTTTCATCTGCCTTATTTGTTCCAGATGCCCTGCAGTATGCCAGTTC	540
Db	481	TGAGACTCCAAAATGGTTTCATCTGCCTTATTTGTTCCAGATGCCCTGCAGTATGCCAGTTC	540
Qy	541	TTCCAAATTCGTAAACAGAGTTTACCACACAGCTCAAGGGGCAAGTCCCTCCAGTTCA	600
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Db	661	AGCAGGTGACAGCCCGGAACCTTCTGTGCATCCACTACAGGCTCAAAAATCTCAGCTC	720
Qy	721	GGAGGGGCTGCTCAAGCCCGAGAGCCGAGCTACACACACACAGGCTGCACAGGCA	780
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Qy	781	GAGAGCACTGGACTATGGCTACAGTCTGGGAGGGAGGCCAAGGATTTTCACATCCTGAT	840
Db	781	GAGAGCACTGGACTATGGCTACAGTCTGGGAGGGAGGCCAAGGATTTTCACATCCTGAT	840
Qy	841	CCGACCATCCTGGGCTTTTCTGCTGGCACTTCTGGGCTGCTGGTGTCAAAAGGGCCGT	900
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Qy	901	TGAAAGAGGAAAGCCCTCTCCAGGGGGCCCGCCGACTGGCCGTGAGGATGCGCGCCCT	960
Db	901	TGAAAGAGGAAAGCCCTCTCCAGGGGGCCCGCCGACTGGCCGTGAGGATGCGCGCCCT	960
Qy	961	GGAGAGCTCCAGAGGCCCGCGGGTGC CGCGACCGCGCTCCCAAAACAATCTACAG	1020
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Qy	1021	CGCGTGC CGCGCGCGCTCTGGAGGGAGCGCTGAGGCACAGGGAGGCCCGCGCTCC	1080
Db	1021	CGCGTGC CGCGCGCGCTCTGGAGGGAGCGCTGAGGCACAGGGAGGCCCGCGCTCC	1080
Qy	1081	CGGCCCCGAGCGCGGTTCGCCCGCCCGCTGCAGGTGCTGTGANTCTCCCTGGGCTCA	1140
Db	1080	CGGCCCCGAGCGCGGTTCGCCCGCCCGCTGCAGGTGCTGTGANTCTCCCTGGGCTCA	1139
Qy	1141	TGCCCATCTCTGAAGACAGCTGTGAATAGTGTAGCTCTACACACAGCTGCCGCCAT	1200
Db	1140	TGCCCATCTCTGAAGACAGCTGTGAATAGTGTAGCTCTACACACAGCTGCCGCCAT	1199
Qy	1201	GATGGAGCAGTGATTTCAGATCACTACATCAATGTTCTCGCTGCACATCCCGCAGCTA	1260
Db	1200	GATGGAGCAGTGATTTCAGATCACTACATCAATGTTCTCGCTGCACATCCCGCAGCTA	1259
Qy	1261	TCCGCCAATCCAGGCTCGAGCTGTGTGCCAAGGAGTCTCATCTATCTGCTGATGTCCA	1320
Db	1260	TCCGCCAATCCAGGCTCGAGCTGTGTGCCAAGGAGTCTCATCTATCTGCTGATGTCCA	1319

QY	1321	ATACCTGCTTCATGTGTTCTCFAGAGCGCTCATACATTCCTCCATGCCCATCTCGACTCCCA	1380
DB	1320	ATACCTGCTTCATGTGTTCTCFAGAGCGCTCATACATTCCTCCATGCCCATCTCGACTCCCA	1379
QY	1381	TTCCCATCATCTCTGTGGCCCTGAGCATGGCTCTGCCCCAGGTCGCTCTGCACACCTTGG	1440
DB	1380	TTCCCATCATCTCTGTGGCCCTGAGCATGGCTCTGCCCCAGGTCGCTCTGCACACCTTGG	1439
QY	1441	CAGCCCCCTGTAGTGTGACAGSTAAGCTGTAGGCAI GTAGAGCAATTTGTCCCAATGCCACT	1500
DB	1440	CAGCCCCCTGTAGTGTGACAGSTAAGCTGTAGGCAI GTAGAGCAATTTGTCCCAATGCCACT	1499
QY	1501	TGCTTCCTTTCCCAAGCGGTGGAACAGACTGTGGGATTTCAGAGSTGTTCTTCCATGTCT	1560
DB	1500	TGCTTCCTTTCCCAAGCGGTGGAACAGACTGTGGGATTTCAGAGSTGTTCTTCCATGTCT	1559
QY	1561	TTGACCACAGGGTGTTGTGCTGCCAGGCTCTAGATCACATGGCATCAGGCTGGGCGAGA	1620
DB	1560	TTGACCACAGGGTGTTGTGCTGCCAGGCTCTAGATCACATGGCATCAGGCTGGGCGAGA	1619
QY	1621	GGCATAGCTATGTCTCGGGCATCTTCCAGGGTTGGGTCTTACACAAATAGAGGCTC	1680
DB	1620	GGCATAGCTATGTCTCGGGCATCTTCCAGGGTTGGGTCTTACACAAATAGAGGCTC	1679
QY	1681	TTGCTCTGAGCTTATGTGACGTGCCTCAGGCCCCATGGACTAAGCAGGGGCTCTGGTATAAAC	1740
DB	1680	TTGCTCTGAGCTTATGTGACGTGCCTCAGGCCCCATGGACTAAGCAGGGGCTCTGGTATAAAC	1739
QY	1741	ACTCCTGGAAAGCGCTTTGGCCCTGATGCCAAATGTTAGCACTTGC TAGTGAACGTCTACTT	1800
DB	1740	ACTCCTGGAAAGCGCTTTGGCCCTGATGCCAAATGTTAGCACTTGC TAGTGAACGTCTACTT	1799
QY	1801	ATCTCAGTGTCTATGCTAAAGGCAATTTATCTTGATGTGATGATAAACCAACTTATAG	1860
DB	1800	ATCTCAGTGTCTATGCTAAAGGCAATTTATCTTGATGTGATGATAAACCAACTTATAG	1859
QY	1861	CAAGATAATGATATATATCCATAAAATTTCTTTACTCTGTCTCCATCCTTT	1911
DB	1860	CAAGATAATGATATATATCCATAAAATTTCTTTACTCTGTCTCCATCCTTT	1910

RESULT 2  
 TS-09-866-050A-577  
 : Sequence 577, Application US/09866050A  
 : Publication No. US20030040471A1  
 : GENERAL INFORMATION:  
 : APPLICANT: Watson, James D.  
 : APPLCANT: Strachan, Lorna  
 : APPLCANT: Sleeman, Matthew  
 : APPLCANT: Onrust, Rene  
 : APPLICANT: Murison, James G.  
 : APPLICANT: Kumble, Krishanand D.  
 : TITLE OF INVENTION: Compositions Isolated From Skin Cells  
 : TITLE OF INVENTION: and Methods for Their Use  
 : FILE REFERENCE: 11000.1011c40  
 : CURRENT APPLICATION NUMBER: US/09/866.050A  
 : CURRENT FILING DATE: 2001-05-24  
 : NUMBER OF SEQ ID NOS: 725  
 : SOFTWARE: FastSeq for Windows Version 4.0  
 : SEQ ID NO 577  
 : LENGTH: 1480  
 : TYPE: DNA  
 : ORGANISM: Mouse  
 : TS-09-866-050A-577

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Qy	182	TGCCCACTTCTCAATGTGAGGATATCTGTGCGCGGAGATGGTGGATCTGGGA	241
Db	163	TGCCCACTCCCTCAACTACAGTAAAGATGTATCTGTGCGGAGATGGCCAAACCTGG	222
Qy	242	ACATGTGGTACCTGGTATCCACCACTTCATCAAGCGAGAAATACAAAGGCCGAGTT	301
Db	223	ATATGTCTCACTGTGTCTCAACAC---CTTTGTCAAGAAGAAATATCAAAAGCCGAGTC	279
Qy	302	ACTCTGAAGCAATACCCACCGCAAGAAATCTGTTCTACTGGAGGTAAACAGCTGACAGAA	361
Db	280	ACCTTGACGCATGCTTGGATAGAGCTATTCTAGTGGAGATGACACAGCTTGACGGAA	339
Qy	362	AGTGACAGCGAGTCTATGCTTCGGGAGCGGGATGAACACAGACCGGGGAAAGACCCAG	421
Db	340	AATGACGATGGAATCTATGCTGTGTGGCATGAAGCATGAAGACAGCAAAAGCAAGACCCAG	399
Qy	422	AAAGTCACTGTAATGCCACAGTGAATAC---GAGCCATCATGGGAAGAGCAGCCAATG	476
Db	400	AAATCACCTGTAATGCCATATGATACCAGAACCATTTCTGGGAGATGAATGAGACC	459
Qy	479	CTTGAGACTCCAAATGGTTCTATCTGCCCTATTGTTCCAGATGCG-----	525
Db	460	TCGTGAGGGCAAGATGGTTGCAAGATTTCTGCAGCACAGATGGCTGGCTCCACGGG	519
Qy	526	--TGCATATGCCAGTTCTTCCAAATTCGTATACAGAGTTACCACACAGCTCAAGAGGCC	583
Db	520	AGTGAACATCCAGCTCTCTGGAGTCTATAGCCAAAGTTACCAGCGAGCTTCAAAGACT	579
Qy	584	AAGTCCCTCCAGTTCACCACTCTCTCCCAACACCCAAATACCCACCGCTCGAGTG	643
Db	580	GAGGCCCTCCGGTTCACCAAGCCCTCCAGCATCACTTCAGTAACCCAACTATCCAGATT	639
Qy	644	TCCAGAGCATCTTCAGTACGAGGTGCAAGCCCGGAACTTCTGCGCATCCATCAGACGC	703
Db	640	TACAGAGCATTTCTGTGTCACTTACCAGTCCCAAGTCCCGAGCGCTCTGCGCAGCAACACAGCC	699
Qy	704	TCAAAAATCTCAGCTCTGGAGGGGCTGCTCAAGCCCCAGACGCCAGCTACAACCAACAC	763
Db	700	TCAAGACTTCCACTCAGCAAG---CAATCAGGCCCTTAGAGGCCAGCTACAGCCACCCAC	756
Qy	764	ACGAGGTGCACAGGCAGAGCACTGGACTATGGCTACACACTCTGGAGGGAGAGCCAA	823
Db	757	ACCAGACTTATAGCAAAAGACACGCCACATGGCCCCACACTATGGGAGAGAGACCGGA	816
Qy	824	GG-----ATTTCACATCTGATCCCGACCATCTCTGGGCCCTTTC	862
Db	817	GGGCTTACATATCCCATCCAGAAATTCACATCTGATTCGAGCTTCTCTGGGCTTCTC	876
Qy	863	CTGCTGGCACTCTGGGGCTGGTGTCAAAAGGCCGTTGAAGAGGAGAAAGCCCTCTCC	922
Db	977	TTGCTGTGTTCTTTGGGACTGGTGGTAAAAGAGCCATTCAAGAGGAGAGAGCTCTCTCC	936
Qy	923	AGCGGGCCCGCACTTGGCGTGGAGATGCGCGCCCTTGAGAGCTCC-----	970
Db	937	AGACTGCGGGCCGACTGGGATGAGGAGCGAGGGCGGGGGCTTCCCGCGCTTCCCC	996
Qy	971	---CAGAGGCCCGGGTGCCTCGGACCGGGCTCCCAAAACACATCTACAGGGCGCTGC	1027
Db	997	ACACAGCGCCGGATGCCCCGACGAGCGCGCTTCGCAGAACACAGTCTACAGCGCTGC	1056
Qy	1028	CCCGGGGCGCTCTGTGAGCGGACGCTGCAAGCAACAGGGAGGCCCGCTTCCCGGCCCC	1087
Db	1057	CCCCGGCGGCACGGGACACAGACGTTGGTCCAGCGGAGGCTCGCTCTCTCAAGGCC	1116
Qy	1088	GGAGGGCGGTGCCCGCGCCCGCTCGAGGTGTCTGAATCTCCCTGGCTCCTATGCCCA	1147
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RESULT 3
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? Sequence 577, Application US/10152661
? Publication No. US20030022835A1
? GENERAL INFORMATION:
? APPLICANT: Watson, James D.
? APPLICANT: Strachan, Lorna
? APPLICANT: Sleeman, Matthew
? APPLICANT: Onrust, Rene
? APPLICANT: Murison, James G.
? APPLICANT: Kumble, Krishanand D.
? TITLE OF INVENTION: Compositions Isolated From Skin Cells
? TITLE OF INVENTION: and Methods for Their Use
? FILE REFERENCE: 11000.1011c5
? CURRENT APPLICATION NUMBER: US/10/152,661
? CURRENT FILING DATE: 2002-05-20
? PRIOR APPLICATION NUMBER: 09/866,050
? PRIOR FILING DATE: 2001-05-24
? PRIOR APPLICATION NUMBER: 60/221,232
? PRIOR FILING DATE: 2000-07-25
? PRIOR APPLICATION NUMBER: 60/206,650
? PRIOR FILING DATE: 2000-05-24
? PRIOR APPLICATION NUMBER: 09/312,283
? PRIOR FILING DATE: 1999-05-14
? PRIOR APPLICATION NUMBER: PCT/NZ99/00051
? PRIOR FILING DATE: 1999-04-29
? PRIOR APPLICATION NUMBER: 09/188,930
? PRIOR FILING DATE: 1998-11-09
? PRIOR APPLICATION NUMBER: 09/069,726
? PRIOR FILING DATE: 1998-04-29
? NUMBER OF SEQ ID NOS: 725
? SOFTWARE: FASTSEQ for Windows version 4.0
? SEQ ID NO 577
? LENGTH: 1480
? TYPE: DNA
? ORGANISM: Mouse
US-10-152-661-577

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	Query Match	29.5%	Score 563.6;	DB 14:	Length 1480;	
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	Matches	940;	Conservative	0;	Mismatches 389;	Gaps 8;
Qy	62	CTAGAAGGACAATGGACTTCGTGCCTTTGGCCACATTACTTCTGCCAGTATCATGGGCCC	121			
Dz	43	CTC C A G G G A C C A T G G A C T T T T G G C T T T G S T T A C T T T A C T T C C T G C C A G T G C T C T G G G S C C	102			
Qy	122	CTGAGGATCCTCCAGAAGTAAGAGTGAGCGGGAGCTGGCGCGAGTCAGTTACCATCAAA	181			
Dz	103	C T G A G A G T C C T C C C A G A A G T A C A C T G A A T C T A G A G T G G G T G G A I C C A T T A T C A T C G A A	162			
Qy	182	TGCCCACTTCTGAAATGCAITGTGAGGATAPATCTGTGCCCGGAGATGGCTGGATCTGGA	241			

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Db 163 TGCCACCTCCCTCAACTACAGTACAGATGATGTGTCTCGCCAGATGCGCCAAACCTGGG 222
Qy 242 ACATGTGTGTCGGTGTATCCACCAACCACTTCATCAGGCGAGATACAGAGGCCGAGTT 301
Db 223 ATATGCTCCCTGTGGTGTCCACAC---CTTTGTCAAGAGGAATATGAAGGCGGAGTC 279
Qy 302 ACTGTGAAGCAATACCCACGCAAGAATCTGTTCCTAGTGAGGTAAACACAGCTGCACGAA 361
Db 280 ACCCTGAGGCCATGCTTGATAGAAGCTATTCTAGTGGAGATGACACAGCTGACCGAA 339
Qy 362 AGTGACGCGAGTCTATGCTGCGGAGCGGGGATGAACACAGACCGGGGAAAGCCAG 421
Db 340 AATGACGATGAATCTATGCTGTGGTGTGGCGATGAAGACAGACAAGGCAAGCCAG 399
Qy 422 AAAGTCACCTGAATGTCCACAGTGAATAC---GAGGCATCATGGGAAGACAGCCAAATG 478
Db 400 AAATACACCTGAATGTCCATTAATATACCCAGAACCATTTCTGGAGATGAATGAGCC 459
Qy 479 CTTGAGACTCCAAATGGTTTCATCTGCGCCTATTGTTCAGATGCC----- 525
Db 460 TCTGAGCGCCCAAGATGGTTGCACAGATTTCTGCAGCACCAGATGCGCCTGCCACGGG 519
Qy 526 --TGCATATGCCAGTCTTCCAAATTTGTAACCAAGTTACACACAGCTCRAAGGGC 583
Db 520 AGTGAACATCCAGCTCTCTTGGAGTCTATGCCAAAGTTACCGCCAGCTTCAAAGACT 579
Qy 584 AAGTCCCTCCAGTTCACACTCTCTCCCCACCACCCAAATACCCACCGCCCTCGAGTG 643
Db 580 GAGGCCCTCCGGTTCACACGCCCTCCAGCATCACTTCAGTAACCAACATCCCGAGATT 639
Qy 644 TCCAGAGCATCTTCAGTAGCAGTGAAGAAGCCCGGAACCTTCCTGGCATCCACTACGCC 703
Db 640 TACAGAGCATTTTCTGTCTCAGTACCAAGTCCCGACGCGCTCTGCCAGCAACACAGCC 699
Qy 704 TCAAAATCTCAGCTCTCGAGGGGTCTCAAGCCCGACAGCGCCAGCTCAACCCACAC 763
Db 700 TCAAGACTTCCNCATCAGCAG--CAATCAGGCCCTAGAGGCCAGCTACAGCCACAC 756
Qy 764 ACCAGGCTGCACAGCAGAGAGCACTGGACTATGGCTCAGAGTCTGGAGGGAAGGCCAA 823
Db 757 ACCAGACTTCATGACAAAGACACGCCACCATGCCACCACTATGGGAGAGAAGCCGA 816
Qy 824 GG-----ATTTCACATCTGATCCCGACCATCCTGGGCTTTTC 862
Db 817 GGGCTTCACATCCCATCCCAAGATTTCCACATCTGATTCGAGCCTTCCTGGGCTTTTC 876
Qy 863 CTGCTGGCACTTCTGGGCTGGTGTGTAAGAGGCCGTTGAAAGAGGAAGAACTCTCC 922
Db 877 TTGCTGGTTCTTTTGGGACTGGTGGTAAAGAGCCATTCAAGAGGAGAGAGCTCCCTCC 936
Qy 923 AGCGGGGCGCGGACTGGCGGTGAGGATGGCGGCTGGAGAGCTCC----- 970
Db 937 AGAGTGGGGCGGACTGGCGATGAGGAGGCGAGCGGGGGGTTCGCGGCCCTTCC 996
Qy 971 ---CAGAGGCGCGCGGTGTCGCGGACCGCGCTCCCAAAACAACATCTACAGCGCTGC 1027
Db 957 ACACAGCGCGGATGCCCCGACAGCGCGCTCGCAGAACACGCTCTACAGCGCTCC 1056
Qy 1028 CCGGCGCGGCTCTGTGGAGCGGACGCTGCAGGCAAGGGAGGCCCGCTTCCCGGCC 1087
Db 1057 CCGCGCGCGCAGCGGACACAGACAGCTTGGGTCCAGCGGAGGCTCCGCTCTCAACGCC 1116
Qy 1088 GGAGGCGCGTTGCCCGCGCGCGCTGAGAGTGTCTGAATCTCCCTGGCTCCATGCCCA 1147
Db 1117 CAGGCTCAGGCTCCCGGCTTCTCCGAGGTAAGTCTTGAAGTCTCTGGCCACACCCCA 1176
Qy 1148 TCTCTGAAGACGAGCTGTGAATAGTAGGCTCTACCAACAGCGCTGCGGCGATGAG 1207
Db 1177 TCTCTGAAGATGAGCTGTGAATAGTAGGCTTGGGCTACCAAGCTGTGTCTCAACTGGAA 1236
Qy 1208 GACAGTGAATCAGATGACTACATAATGTTCTGCTGACAACTCCCGAGCTATCCGCCA 1267
Db 1237 GACCGCTGATTCAGATGATTACATCAATATCTCTGAC--CCATCTCATCTCCTAGCTATG 1294
```

```
Qy 1268 ACCCAGGCTCGACTGTGTGCGCAAGAGTCTCTCATCTATCTGCTGATGTCGAATACCTG 1327
Db 1295 CCCAGGGCCAGATCTTCATGCCAATGAGTTCTGCTGTGCTGATGCTAGCACGTT 1354
Qy 1328 CTTTCATGTGTTCTCAGAGCCCT--CATCAGTTCOCATGCCGCCATCTCGACTCCCATCCCA 1386
Db 1355 TTCTTTATAGGATCCCTGTGTCATGGCGTATGCTATACCTAAGTCGACTCTCACTGAC 1414
Qy 1387 TCTATCTGTGGC 1398
Db 1415 TATCTGAATGCC 1426
```

## RESULT 4

```
US-09-918-995-16759
; Sequence 16759, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 16759
; LENGTH: 432
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-918-995-16759
```

```
Query Match 21.1%; Score 403.2; DB 11; Length 432;
Best Local Similarity 95.8%; Pred. No. 3.5e-118;
Matches 414; Conservative 0; Mismatches 18; Indels 0; Gaps 0;
```

```
Qy 698 ACAGCCTCAAAATCTCAGCTCTGGAGGGCTGCTCAAGCCCGCAGAGCCGCTACAA 757
Db 1 ACAGCCTCAAAATCTCAGCTCTGGAGGGCTGCTCAAGTCCAGAGCCGCTTCAAC 60
Qy 758 CACCACACAGGTTGCACAGGAGAGAGCAGTGGACTATGGCTCAGAGTCTGGAGGGAA 817
Db 61 CACCACACCATGCTGCACATGCATACAGCAGTGGACTATGGCTCAGAGTCTGGAGGGAA 120
Qy 818 GGCAAGGATTTACATCTCTGATCCCGACCATCTGGGCTTTTCTGCTGGCAGCTCTG 877
Db 221 GGCAAGGATTTACATCTCTGATCCCGACCATCTGGGCTTTTCTGCTGGCAGCTCTG 180
Qy 878 GGCTGGTGTGAAAGGGCGGTGAAAGAGGAAAGCGCTCTCCAGGCGGGCGCCGCA 937
Db 181 GGCTGGTGTGAAAGGGCGGATGAAAGAGGAAAGCGCTCTCCAGGCGGGCGCCGCA 240
Qy 938 CTGGCGCTGAGGATGCGCGCTGAGAGCTCCACAGAGCCCGCGGTGCGCGGAGCG 997
Db 241 CTGGCGCTGAGGATGCTCGCCCTGGAGAGCTCCAGAGGCGCCCGGTTCGCGGTGAGCG 300
Qy 998 CGCTCCCAAAACAACATCTACAGCGCTGCCCGCGGCGGCTGTGTGAGGAGCAGCTGCA 1057
Db 301 CGCTCCCAAAACAACATCTACAGAGCTGCCCGCGGCGGCTGTGTGAGGAGCAGCTGCA 360
Qy 1058 GGCAAGGGAGGCGCCCGCTTCCCGGCCCGGAGCGCCGTTGGCCCGCCCGCGCTGAC 1117
Db 361 AGCAAGGGAGGCGCCCGCTTCCCGGCCCGGAGCGCGCATAGCGCCCGCGCGCTTGAG 420
Qy 1118 GTGCTGAATCT 1129
Db 421 GTGCTGAATCT 432
```

## RESULT 5

## RESULT 6

```

; CURRENT FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195,605
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 629
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 64
; LENGTH: 5209
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-846-64

Query Match          7.7%; Score 146.2; DB 11; Length 5209;
Best Local Similarity 98.0%; Pred. No. 3e-35;
Matches 148; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1761 CCTGATCCAAATGTAGCACTGTGTAGTGAAGCTGTACTTATCTCAAGTCTTATGCTTAA 1820
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 4869 CCTGATCCAAATGTAGCACTGTGTAGTGAAGCTGTACTTATCTCAAGTCTTATGCTTAA 4810
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 1821 GGCAATTTATCTTGATGTGATGAACCAAACTTATTAGCAAGATATGATATATATCC 1880
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 4809 GGCAATTTATCTTGATGTGATGAACCAAACTTATTAGCAAGATATGATATATATCC 4750
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 1881 ATAAATCTCTTTACTCTGTCTCCATCCTTT 1911
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 4749 ATAAATCTCTTTACTCTGTCTCCATCCTTT 4719
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 8
US-10-027-632-157849/c
; Sequence 157849, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 157850
; LENGTH: 804
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-157850

Query Match          4.5%; Score 86.4; DB 13; Length 804;
Best Local Similarity 98.9%; Pred. No. 1.4e-16;
Matches 87; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 359 GAAAGTGACAGCGGAGTCTATGCTCGGAGCGGCATGAACACAGACCGGGGAAAGACC 418
      ++++++ ++++++ ++++++ ++++++ ++++++ ++++++ ++++++ ++++++ ++++++
Db 3 GTAAGTGACAGCGGAGTCTATGCTCGGAGCGGCATGAACACAGACCGGGGAAAGACC 62
      ++++++ ++++++ ++++++ ++++++ ++++++ ++++++ ++++++ ++++++ ++++++

QY 419 CAGAAAGTCACCTGTAATGTCCACAGTG 446
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 63 CAGAAAGTCACCTGTAATGTCCACAGTG 90
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 10
US-10-027-632-174839
; Sequence 174839, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 157849
; LENGTH: 850
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-157849

Query Match          6.2%; Score 119; DB 13; Length 850;
Best Local Similarity 86.8%; Pred. No. 5.2e-27;
Matches 131; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

QY 412 AAAGACCCAGAAAGTACCCTGAATGCCACAGTGAATACGAGCCATCATGGGAAGACA 471
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 485 AGAGACCCAGCAACATATTCCTCTTCCATAGAAATACGAGCCATCATGGGAAGACA 426
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 472 GCCAATGCTGAGACTCCAAATGGTTTCATCTGCCCTATTGTTCCAGATGCCCTGCA 531
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 425 GCCAATGCTGAGACTCCAAATGGTTTCATCTGCCCTATTGTTCCAGATGCCCTGCA 366
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 532 TGCCAGTCTTCCAAATTCGTAACACAGATT 562
```

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||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 365 IGCCAGTCTTCCAAATTCGTAACACAGAGT 335

RESULT 9
US-10-027-632-157850
; Sequence 157850, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 157850
; LENGTH: 804
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-157850

Query Match          4.5%; Score 86.4; DB 13; Length 804;
Best Local Similarity 98.9%; Pred. No. 1.4e-16;
Matches 87; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 359 GAAAGTGACAGCGGAGTCTATGCTCGGAGCGGCATGAACACAGACCGGGGAAAGACC 418
      ++++++ ++++++ ++++++ ++++++ ++++++ ++++++ ++++++ ++++++ ++++++
Db 3 GTAAGTGACAGCGGAGTCTATGCTCGGAGCGGCATGAACACAGACCGGGGAAAGACC 62
      ++++++ ++++++ ++++++ ++++++ ++++++ ++++++ ++++++ ++++++ ++++++

QY 419 CAGAAAGTCACCTGTAATGTCCACAGTG 446
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 63 CAGAAAGTCACCTGTAATGTCCACAGTG 90
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 10
US-10-027-632-174839
; Sequence 174839, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 157849
; LENGTH: 850
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-157849
```

```
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 174839
; LENGTH: 603
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-174839

Query Match      4.3%; Score 82; DB 13; Length 603;
Best Local Similarity 100.0%; Pred. No. 3e-15;
Matches 82; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 365 GACAGCGAGTCTATGCTCGGAGCGGCGATGACACAGACCGGGGAAAGACCCAGAAA 424
Db 1 GACAGCGAGTCTATGCTCGGAGCGGCGATGACACAGACCGGGGAAAGACCCAGAAA 60

Qy 425 GTCACCTGAATGTCCACAGTG 446
Db 61 GTCACCTGAATGTCCACAGTG 82

RESULT 11
US-09-908-975-13246
; Sequence 13246, Application US/09908975
; Publication No. US20030165843A1
; GENERAL INFORMATION:
; APPLICANT: SHOSHAN, Avi
; APPLICANT: WASSERMAN, Alon
; APPLICANT: MINTZ, Eli
; APPLICANT: MINTZ, Liat
; APPLICANT: FAIGLER, Simchon
; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICING
; TITLE OF INVENTION: THAT POPULATE A TRANSCRIPTOME
; FILE REFERENCE: 36688-0005
; CURRENT APPLICATION NUMBER: US/09/908,975
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 60/287,724
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: US 60/221,607
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 32337
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 13246
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-908-975-13246

Query Match      3.1%; Score 60; DB 12; Length 60;
Best Local Similarity 100.0%; Pred. No. 8.2e-09;
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 249 GTACCGTGGTATCCACCACCACTTCATCAAGCAGAGTAACAGGCGCGAGTTACTCTGA 308
Db 1 GTACCGTGGTATCCACCACCACTTCATCAAGCAGAGTAACAGGCGCGAGTTACTCTGA 60

RESULT 12
US-09-215-652-15
; Sequence 15, Application US/09215652
; Patent No. US20020045165A1
; GENERAL INFORMATION:
; APPLICANT: Patricia Billing-Medel
; APPLICANT: Maurice Cohen
; APPLICANT: Tracey L. Colpitts
; APPLICANT: Paula N. Friedman
; APPLICANT: Julian Gordon
; APPLICANT: Edward N. Granados
; APPLICANT: Steven C. Hodges
; APPLICANT: Michael R. Klass
; APPLICANT: Jon D. Kratochvil
; APPLICANT: Lisa Roberts-Rapp
; APPLICANT: John C. Russell
```

```
; APPLICANT: Stephen D. Stroupe
; TITLE OF INVENTION: Reagents and Methods Useful for Detecting Diseases of the
; TITLE OF INVENTION: Breast
; FILE REFERENCE: 6192 US PI
; CURRENT APPLICATION NUMBER: US/09/215,652
; CURRENT FILING DATE: 1998-12-16
; EARLIER APPLICATION NUMBER: US 08/998,496
; EARLIER FILING DATE: 1997-12-26
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 2320
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-215-652-15

Query Match      2.4%; Score 46.6; DB 9; Length 2320;
Best Local Similarity 43.1%; Pred. No. 0.0014;
Matches 223; Conservative 0; Mismatches 294; Indels 0; Gaps 0;

Qy 544 CAATTCGTAAACCAGAGTTTACCACACAGCTCAAAAGGGGCAAGTCCCTCCAGTTCAACA 603
Db 857 CAAGTTTCAGTGTAGGTAGCAGCCCTGCCAGGCCCTCGAGGCTCTCTGGTGTGTGGCACA 916

Qy 604 CTCCTCCCCCACCACCAATCAACCACCGCCCTCGAGTGTCCAGAGCATCTTCAGTAGC 663
Db 917 TACCTTGCAGAAAGACCCCTCCAGAGCACCACATCTCGGCTGTGTGACATGGCACCCTGCAGCTGT 976

Qy 664 AGGTGACAAAGCCCGAACCCTTCTGCCATCTCACTACAGCTCAAAAATCTCAGCTCTGGA 723
Db 977 GCTGGCATGGCAGGAGGGTGTGACCTCACCAGCCCGCGCTGTTCCTCAACCAA 1036

Qy 724 GGGGCTGTCAAGCCCGCAGCCCGCAGCTACACACACACACAGGCTGCACAGGCAGAG 783
Db 1037 GGGGAGGGCCATGTCCCTATCAGATCCCTGAAGGCGCTTACTGACAAAGTGTGTGGACAC 1096

Qy 784 AGCACTGGGACTATGGCTCACAGTCTGGGAGGAAGGCCAAGGATTTACATCTGATCC 843
Db 1097 AGTGTGTCATTAGTGTCCCTCCAGAGTGTCTGCTGAGAGCCGAGAGGGAATTCG 1156

Qy 844 GACCATCTGGGCTTTTCTCTGTGCACTTCTGGGGCTGTGGTGAAGAGGCGCTTGA 903
Db 1157 GGACATCGACAACCCACCAGCGAGTTCGAGCGCCGGAGCGGAGCGAGCGCTCTGG 1216

Qy 904 AAGGAGGAAGCCCTCTCCAGCGGGCCCGCAGCTGCGCGTGGAGATGCGGCGCCCTGA 963
Db 1217 GCGCGCTCCGCGCGCGGAGCGCCCGCTCTCGCACAGACCCCGCGAGCTGCG 1276

Qy 964 GAGCTCCAGAGCGCCCGGGTTCGCGGAGCGCGGCTCCCAAAACAAACATCTACAGCGC 1023
Db 1277 CAGCGGCGAGAGCCCGCGCGCCCGCGCGCTGGAGGACGAAGTCGCCACGCC 1336

Qy 1024 CTGCGCGCGCGCGCTCTGTGGAGCGGACGCTCGAGGC 1060
Db 1337 CCGAGCGCGCGCGCGGCTTCCCGCGCTGCGCCGC 1373

RESULT 13
US-09-215-652-16
; Sequence 16, Application US/09215652
; Patent No. US20020045165A1
; GENERAL INFORMATION:
; APPLICANT: Patricia Billing-Medel
; APPLICANT: Maurice Cohen
; APPLICANT: Tracey L. Colpitts
; APPLICANT: Paula N. Friedman
; APPLICANT: Julian Gordon
; APPLICANT: Edward N. Granados
; APPLICANT: Steven C. Hodges
; APPLICANT: Michael R. Klass
; APPLICANT: Jon D. Kratochvil
; APPLICANT: Lisa Roberts-Rapp
; APPLICANT: John C. Russell
```

```
; APPLICANT: Stephen D. Stroupe
; TITLE OF INVENTION: Readiness and Methods Useful for Detecting Diseases of the
; FILE OF INVENTION: Breast
; FILE REFERENCE: 6192.US.P1
; CURRENT APPLICATION NUMBER: US/09/215,652
; CURRENT FILING DATE: 1998-12-16
; EARLIER APPLICATION NUMBER: US 08/998,496
; EARLIER FILING DATE: 1997-12-26
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 16
; LENGTH: 2907
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: base_polymorphism
; LOCATION: 11
; OTHER INFORMATION: /note = "c" represents an a or g or t or c polymorphism at
; OTHER INFORMATION: this position
US-09-215-652-16
```

```
Query Match 2.4%; Score 46.6; DR 9; Length 2907;
Best Local Similarity 43.1%; Pred. No. 0.0017;
Matches 223; Conservative 0; Mismatches 294; Indels 0; Gaps 0;

QY 544 CAATTCGTAACAGAGTACACACAGCTCAAGGGGCAAGGTCCTCCAGTTCACCA 603
Db 1078 CAAGTTCAGTAGAGTACAGCCCTCGCAGGCCCTCGAGGCCCTCGTGGTGGTGACACA 1137
QY 604 CTCCTCCCCACACCAATATCAATCCACCGCCCTCGAGTGTCCAGAGCATCTTCAGTAGC 663
Db 1138 TACCCTGCAGACAGCTCCAGACCACTCTCGGCTGTGACATGGGCCTGCAGCTGT 1197
QY 664 AGGTGACAGCCCGGACCTTCCTGCGATCCATCAGCTCAAAATCTCAGCTTGA 723
Db 1198 GCTGGGATGGCAGGAGGCTGTGCACTTCAACACAGCCCGCTGTTCTCTCAACCAA 1257
QY 724 GGGGCTGCTCAAGCCGACAGCCGCTCAACACCAACACAGGCTGCACAGGCAGAG 783
Db 1258 GGGAGGGCCATGTCCCTATCAGATGCCCTGAAGGCGGTACTGACAACTGCTGACAC 1327
QY 784 AGCACTGGACTATGGTTCAGAGTCTGGAGGGAGGCCAAGATTTCAATCTGATGCC 843
Db 1318 AGTGGTGATAGTGTCCCGTCCCGAGGCTGCTGATGGAGCCGAGAGGAATTCG 1377
QY 844 GACATCTCGGCTTTCTCTGTGCACTTCTGGGCTGCTGGTCAAAAGGCGCTTGA 903
Db 1378 GGACATCGAACAACACACAGCCAGGCTGAGCGCGGGAGCGGAGCGGAGCGTCTGG 1437
QY 904 AAGGAGAAAGCCCTCTCCAGGGGCGCCGCCGACTGGCGGTGAGGATCGCGGCCCTGA 963
Db 1438 GGGCGCTCCCGCGCGCGAGCCCGCGCTCTCGCACAGCCCGCGGAGCGCTGG 1497
QY 964 GAGCTCCAGAGCGCGCGGGTCCGCGGACCGCGCTCCCAAAACAATCTACAGCG 1023
Db 1498 CAGCGCGACAGCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1557
QY 1024 CTGCGCGCGCGCGCGCTGTGAGCGAGCGAGCGCTGAGGC 1060
Db 1558 CGCAGCGCGCGCGCGCGGTTCGCGCGCGCTGCGCGCGCGCGCGCGCGCGCGCG 1594
```

## RESULT 14

```
US-10-184-644-402/c
; Sequence 402, Application US/10184634
; Publication No. US20030044930A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
```

```
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C227
; CURRENT APPLICATION NUMBER: US/10/184,644
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 402
; LENGTH: 653
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-644-402

Query Match 2.3%; Score 43; DR 14; Length 653;
Best Local Similarity 4.8%; Pred. No. 0.0096;
Matches 29; Conservative 196; Mismatches 380; Indels 0; Gaps 0;

QY 548 TTCGTAACAGAGTACACACAGCTCAAGGGGCAAGGTCCTCCAGTTCACCACTCC 607
Db 607 T...M.A.MM..RSBCHH.....SSSS..GYHM.M..AM.R.YH.MC..M.B..MDN. 548
QY 608 TCCGCCACCCCAATATCAATCCACCGCCCTCGAGTGTCCAGAGCATCTTCAGTAGCAGGT 667
Db 547 .STANT.B.RG.HMYN.H..NSSTYSDDYSSYS.SYNYMDMYMDGSSSSSSSSB 488
QY 668 GACAAGCCCGCAACTCTCTGCCATCCACTACAGCTCAAAATCTCAGCTCTGGAGGG 727
Db 487 S.HFSSBSSSASMYMM.YM..M..MY.M.TSA..MMAM.M..M.I.M.Y...SM.KR 428
QY 728 CTGCTCAAGCCCCAGAGCCCGAGCTAGAACACACAGGCTGCAGAGCAGAGCA 787
Db 427 MD.M..TH.TM.A.H.T.TMRRS.TN..M.....CY.B.A.G.RMYTNYDA..GN.. 368
QY 788 CTGGACATGCTCACAGCTCGGAGGGAGGCGCAAGGATTCACATCTCATCCCCACC 847
Db 367 T...H..TMN..SCHATR.TCYTB.T.BN.MH...TMNR.NKTHBDYCBM.RHBC.MBGM. 308
QY 848 ATCTGGGCGCTTTCTCTGCTGCACTTCTGGGCTGTGGTGAAGGCGCTTTGAAAGG 907
Db 307 TWST.S.MMY.TST.HH.S.NMS..CYK.S..NS.H.C.M.....BBC.NB.C.SS.KBN. 248
QY 908 AGGAAGCCCTCTCCAGCGCGCGCGCGGCTGAGGATCGCGCGCTGGAGAGC 967
Db 247 RS..SNSN..BSYFRR.....SS..BC.M.CS.D....SSSR..SBT.M..DRYH.HM.CTY.. 186
QY 968 TCCAGAGCGCGCGCGGCTCGCGCGGCTCCCAAAACAACATCTACAGCGCTGC 1027
Db 187 HCA.RRS..HCDNSD.BHY..G.IA...DT.HYK.CSC.G..BK..C..Y.SS.YC.B. 128
QY 1028 CGCGCGCGCTCTGAGAGCGAGCTGCAGGACAGGAGGCGCGCGCTGCCGCGCC 1067
Db 127 HCY..HY....YHKH...K.....K..TRDH..SH..N..SAT.THSKWS.T...HTMMS. 68
QY 1088 GGAGCGCGCTGCGCGCGCGCGCGCGCTGAGTGTCTGAATCTCCCTGCTCCATGCCCA 1147
Db 67 M.....NIBYM.MYC....D.....CYT..TTCSC...SY.D.NH...SY...SSCDGN.S. 8

QY 1146 TCTCT 1152
Db 7 Y..HY 3

RESULT 15
US-10-184-634-402/c
; Sequence 402, Application US/10184634
; Publication No. US2003006864A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
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Job time : 483 secs

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; APPLICANT: Chen,Jian
; APPLICANT: Desnoyers,Luc
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Gurney,Austin L.
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SNME
; FILE REFERENCE: P3430RLC217
; CURRENT APPLICATION NUMBER: US/10/184,634
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 402
; LENGTH: 653
; TYPE: PRT
; ORGANISM: Homo Sapien
; CS-10-184-634-402

Query Match      2.3%: Score 43; DB 14; Length 653;
Best Local Similarity 4.8%: Pred. No. 0.0096;
Matches 29; Conservative 196; Mismatches 380; Indels 0; Gaps 0;

QY 548 TTCGTACCCAGGTACACACACGCTCAAGGGGCAAGTCCGTCAGTTCACCACTCC 607
DB   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
607 T...M.A.MM..RSRBC.HH...SSSS..GYHM.M..AM.R.YH.MC..M.B..MDN. 548
QY 608 TCCCCACACCCCAATCACCCACCGCCCTCGAGTGTCCAGAGCATCTTCAGTAGCAGGT 667
DB   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
667 .STSNANT.B.RG.HMYN.H..NSSTYSDDYSSYSS.SYNYMDMDYDCSSSSSSSSB 488
QY 668 GACAAGCCCCGAACCTTCCTGCCATCCACTACAGCCTCAAAATCTCAGCTCGAGGGG 727
DB   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
727 S.HTSSBSSSSASMYMM.YM..MY.M.TSA..MMAM.M..M.T.M.Y...SM.KR 428
QY 728 CTGCTCAAGCCCCAGCCGCTCAGCTACACACACACAGGCTGCGAGGCGGAGAGCA 787
DB   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
787 MD.M..TH.THM.A.H.T.TMRRS.TN..M.....CCY.B.A.G.RMYTNYDA.GN.. 368
QY 788 CTGCACTATGGCTCAGAGTCTGGGAGGAGGCGCAAGGATITTCATCTCCTGATCCCGACC 847
DB   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
847 T...H..TMN..SCMATR.TCYTB.T.BN.MH...TMNR.NKTHBDYCBM.RHBC.MEGM. 308
QY 848 ATCCTGGCCCTTTCCTGCTGGCACTCTCGGGCTGTGGTGTGAAAGGGCGCTGAAAGG 907
DB   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
907 TWSTS.MMY.TST.HH.S.NWS..CYK.S..NS.H.C.M.....BBC.NB..C.SS.KBN. 248
QY 908 AGGAAAGCCCTCTCAGCGCGCGCCGCGACTGCGCTGAGGATCGCGCCCTGGAGAGC 967
DB   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
967 RS..SNSN..BSYVR.....SS.BC.M.CS.D...SSSR.SBT.M.DRYH.HM.CTY... 189
QY 968 TCCAGAGCGCCCGGGGTCCCGCGGACCGCGCTCCCAAAACAACATCTACAGCGCCTGC 1027
DB   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
1027 HCA..RRS..HCDNSDS.BHY..G.TA...DT.HYK.CSC.G..BK..C..Y.SS.YC.B. 128
QY 1028 CCGCGGCGCGCTGCTGGAGGAGCGCTGCGAGGAGGCGGCGCGCTTCGCGGCGCC 1087
DB   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
1087 HCY...HY...YYHKS...K.....K.TRDH.SH.N..SAT.THSMWS.T...HIMS. 68
QY 1088 GGAGCGCGCTGCGCCCGCCCGCTGCGAGGTGCTGAATCTCCCTGGCTCCATGCCCA 1147
DB   | | | | | | | | | | | | | | | | | | | | | | | | | | | |
1147 M.....NHHYM.MYC...D....CVT...TISC...SY.D.NH...SY..S..SSCDGN.S. 8
QY 1148 TCTCT 1152
DB   | | | |
7 Y..HY 3
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Search completed: September 14, 2003, 04:06:35

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: September 14, 2003, 04:07:51 ; Search time 19 Seconds  
(without alignments)  
868.486 Million cell updates/sec

Title: US-09-651-150b-2  
Perfect score: 2055  
Sequence: 1 MDRWLWPLYFLPVSGALRIIL.....KQPAAMMEDSDSDYINV7A 390  
Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA:\*

1: /cgn2.6/ptodata/2/iaa/5A\_COMB.pep:\*

2: /cgn2.6/ptodata/2/iaa/5B\_COMB.pep:\*

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4: /cgn2.6/ptodata/2/iaa/6B\_COMB.pep:\*

5: /cgn2.6/ptodata/2/iaa/PTUS\_COMB.pep:\*

6: /cgn2.6/ptodata/2/iaa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2055	100.0	390	US-09-050-861B-2	Sequence 2, Appli
2	2047	99.6	390	US-08-961-564A-2	Sequence 2, Appli
3	1157	56.3	422	US-09-724-564-45	Sequence 45, Appli
4	550	26.8	107	US-08-961-564A-4	Sequence 4, Appli
5	380	18.5	73	US-09-050-861B-3	Sequence 3, Appli
6	233	11.3	43	US-09-050-861B-12	Sequence 12, Appli
7	198	9.6	771	US-08-434-000A-8	Sequence 8, Appli
8	198	9.6	771	US-09-312-157-8	Sequence 8, Appli
9	187	9.1	109	US-08-961-564A-9	Sequence 9, Appli
10	185	9.0	789	US-08-434-000A-10	Sequence 10, Appli
11	185	9.0	789	US-09-312-157-10	Sequence 10, Appli
12	182	8.9	608	US-09-095-385-4	Sequence 4, Appli
13	182	8.9	746	US-08-434-000A-4	Sequence 4, Appli
14	182	8.9	746	US-09-312-157-4	Sequence 4, Appli
15	182	8.9	757	US-08-434-000A-5	Sequence 5, Appli
16	182	8.9	757	US-09-312-157-6	Sequence 6, Appli
17	166.5	8.1	624	US-08-642-406A-22	Sequence 22, Appli
18	166.5	8.1	624	US-09-199-534-22	Sequence 22, Appli
19	166.5	8.1	624	US-09-199-534-22	Sequence 22, Appli
20	166.5	8.1	773	US-08-434-000A-2	Sequence 2, Appli
21	166.5	8.1	773	US-09-312-157-2	Sequence 2, Appli
22	129.5	6.3	332	US-09-986-243-517	Sequence 517, App
23	121	5.9	439	US-09-252-991A-17127	Sequence 17127, A
24	117.5	5.7	476	US-08-487-550-4	Sequence 4, Appli
25	117.5	5.7	476	US-09-526-098-4	Sequence 4, Appli
26	117	5.7	453	US-08-466-151-8	Sequence 8, Appli
27	117	5.7	453	US-08-466-163B-8	Sequence 8, Appli

28	115	5.6	579	4	US-09-252-991A-26166	Sequence 26166, A
29	113.5	5.5	2337	3	US-08-713-118-2	Sequence 2, Appli
30	113.5	5.5	2337	3	US-09-452-007-2	Sequence 2, Appli
31	113	5.5	282	4	US-09-252-991A-28598	Sequence 28598, A
32	112	5.5	451	2	US-08-887-352B-14	Sequence 14, Appli
33	112	5.5	451	2	US-08-887-352B-16	Sequence 16, Appli
34	112	5.5	451	3	US-08-466-151-65	Sequence 65, Appli
35	112	5.5	451	3	US-09-109-207C-14	Sequence 14, Appli
36	112	5.5	451	3	US-09-109-207C-16	Sequence 16, Appli
37	112	5.5	451	3	US-09-296-005-14	Sequence 14, Appli
38	112	5.5	451	3	US-09-296-005-16	Sequence 16, Appli
39	111	5.4	476	2	US-08-378-939-10	Sequence 10, Appli
40	110	5.4	366	4	US-09-252-991A-24338	Sequence 24338, A
41	109.5	5.3	335	4	US-09-252-991A-23674	Sequence 23674, A
42	109.5	5.3	467	4	US-09-252-991A-18296	Sequence 18296, A
43	109.5	5.3	2339	1	US-08-455-543A-47	Sequence 47, Appli
44	109.5	5.3	2339	2	US-08-223-305C-47	Sequence 47, Appli
45	109.5	5.3	2339	4	US-09-268-163-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1  
US-09-050-861B-2  
; Sequence 2, Application US/09050861B  
; Patent No. 6555314  
; GENERAL INFORMATION:  
; APPLICANT: Payan, Donald  
; TITLE OF INVENTION: TOSO AS A TARGET FOR DRUG SCREENING  
; FILE REFERENCE: RIGL-002CON  
; CURRENT APPLICATION NUMBER: US/09/050.861B  
; CURRENT FILING DATE: 1998-03-30  
; PRIOR APPLICATION NUMBER: US/09/651,150B  
; PRIOR FILING DATE: 2000-08-30  
; PRIOR APPLICATION NUMBER: US 09/050.861  
; PRIOR FILING DATE: 1998-03-30  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 390  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-050-861B-2

Query Match	100.0%	Score	2055;	DB	4;	Length	390;		
Best Local Similarity	100.0%;	Pred.	No. 5.5e-179;						
Matches	390;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
QY	1	MDRWLWPLYFLPVSGALRIILPEVKVSGELGGSVTIKCPILPEMHVRIYILCREMAGSGTCGT	60						
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QY	61	VVSTTNFKAEYKGRVTLKOYPRKNLFLVEVTOLTESDSGVYACGAGMNTDRGKTQKVIL	120						
DB	61	VVSTTNFKAEYKGRVTLKOYPRKNLFLVEVTOLTESDSGVYACGAGMNTDRGKTQKVIL	120						
QY	121	NVHSEYPSMEEQPMPTPKWFHLPYLFQMPAYASSSKFVTRVTTTFAQRGKVPVPHHSSP	180						
DB	121	NVHSEYPSMEEQPMPTPKWFHLPYLFQMPAYASSSKFVTRVTTTFAQRGKVPVPHHSSP	180						
QY	181	ITQITHPRVSRSSVAGDKPRTFLESTTASKISALEGLLKQTPQSYNHHTRLHQRALD	240						
DB	191	TTQITHPRVSRSSVAGDKPRTFLESTTASKISALEGLLKQTPQSYNHHTRLHQRALD	240						
QY	241	YGSOSGREGQGFHLIPTILGLFLLALLGLVWRAVERRKALSRARRLAVRMRALESSQ	300						
DB	241	YGSOSGREGQGFHLIPTILGLFLLALLGLVWRAVERRKALSRARRLAVRMRALESSQ	300						
QY	301	RPRGSPRPRSONNIYSACPRRARGADAAGTGEAPVFGPGAPLPAPLQVSESPWLHAPSL	360						
DB	301	RPRGSPRPRSONNIYSACPRRARGADAAGTGEAPVFGPGAPLPAPLQVSESPWLHAPSL	360						

QY 361 KTSCEVSLYHOPAAAMMEDSDSDYINVPA 390  
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Db 361 KTSCEVSLYHOPAAAMMEDSDSDYINVPA 390  
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RESULT 2  
US-09-961-564A-2  
; Sequence 2, Application US/08961564A  
; Patent No. 6114515  
; GENERAL INFORMATION:  
; APPLICANT: WU, SHUJIAN  
; APPLICANT: SWEET, RAYMOND  
; APPLICANT: TRUNER, ALEMEGED  
; TITLE OF INVENTION: FIGRL-1, A MEMBER OF IMMUNOGLOBULIN  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: RAINER & PRESTIA  
; STREET: P.O. BOX 980  
; CITY: VALLEY FORGE  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19482  
; COMPUTER READABLE FORM:  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FASTSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/961,564A  
; FILING DATE: 30-OCT-1997  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/056,935  
; FILING DATE: 25-AUG-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: PRESTIA, PAUL F  
; REGISTRATION NUMBER: 23,031  
; REFERENCE/DOCKET NUMBER: GH-70236  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 610-407-0700  
; TELEFAX: 610-407-0701  
; TELEX: 846169  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 390 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-09-961-564A-2

Query Match 99.6%; Score 2047; DB 3; Length 390;  
Best Local Similarity 99.7%; Pred. No. 2.9e-178;  
Matches 389; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 1 MDRLWPLFLPVSGALRILPEVKVEGELGGSVTIKCPLEPMHVRIYLCREMAGSGTCGT 60  
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Db 1 MDEFMLWLLYFLPVSGALRILPEVKVEGELGGSVTIKCPLEPMHVRIYLCREMAGSGTCGT 60  
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QY 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFVETVLTESDSGVYACGAGMNTDRGKTQKVTL 120  
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Db 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFVETVLTESDSGVYACGAGMNTDRGKTQKVTL 120  
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QY 121 NVHSEYEPSEWEEQMPETPKWFLPYLFQMPAYASSKFEVTRVTPAQRGKVPVHHSSP 180  
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Db 121 NVHSEYEPSEWEEQMPETPKWFLPYLFQMPAYASSKFEVTRVTPAQRGKVPVHHSSP 180  
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QY 181 TTOITHRPVSRVSSVAGDKPRTFLPSTTASISALEGLLKPTQPSYNNHTLHRORALD 240  
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Db 181 TTOITHRPVSRVSSVAGDKPRTFLPSTTASISALEGLLKPTQPSYNNHTLHRORALD 240  
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QY 241 YGSQSGREGQGFHILPTILGLFLALLGLVYKRAVERRKALSRRLAVRMALESSQ 300  
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Db 241 YGSQSGREGQGFHILPTILGLFLALLGLVYKRAVERRKALSRRLAVRMALESSQ 300  
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QY 301 RPRGSPRPRSONNIYSACPRRARGADAAGTGPVPGAPLPAPLOVSESPWLHAPSL 360  
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Db 301 RPRGSPRPRSONNIYSACPRRARGADAAGTGPVPGAPLPAPLOVSESPWLHAPSL 360  
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QY 361 KTSCEVSLYHOPAAAMMEDSDSDYINVPA 390  
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Db 361 KTSCEVSLYHOPAAAMMEDSDSDYINVPA 390  
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RESULT 3  
US-09-724-864-45  
; Sequence 45, Application US/09724864  
; Patent No. 6380362  
; GENERAL INFORMATION:  
; APPLICANT: Watson, James D  
; APPLICANT: Murison, James G  
; TITLE OF INVENTION: Polynucleotides, polypeptides expressed  
; TITLE OF INVENTION: by the polynucleotides and methods for their use.  
; FILE REFERENCE: 11000.105001  
; CURRENT APPLICATION NUMBER: US/09/724,864  
; PRIOR FILING DATE: 2000-11-28  
; PRIOR APPLICATION NUMBER: U.S. No. 6380362 60/171,678  
; PRIOR FILING DATE: 1999-12-23  
; NUMBER OF SEQ ID NOS: 72  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 45  
; LENGTH: 422  
; TYPE: PRT  
; ORGANISM: Mouse  
US-09-724-864-45

Query Match 56.3%; Score 1157; DB 4; Length 422;  
Best Local Similarity 57.5%; Pred. No. 3.6e-97;  
Matches 234; Conservative 46; Mismatches 107; Indels 20; Gaps 6;  
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Db 1 MDEFMLWLLYFLPVSGALRILPEVKVEGELGGSVTIKCPLEPMHVRIYLCREMAGSGTCGT 60  
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QY 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFVETVLTESDSGVYACGAGMNTDRGKTQKVTL 120  
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Db 61 VVSTNT-FVKKEYERRVTLTPCLDKKLFVEMTQLTENDODGIYACGAGMNTDRGKTQKVTL 119  
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QY 121 NVHSEY-EPSEWEEQMPETPKWFLPYLFQMP-AYASSKFEVTRVTPAQRGKVPV 174  
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Db 120 NVHSEYEPSEWEEQMPETPKWFLPYLFQMP-LQHQMPWLHGSEHPSSSGVIAKVTPASKTEAPP 179  
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QY 175 VVHSSPTTQITHRPVSRVSSVAGDKPRTFLPSTTASISALEGLLKPTQPSYNNHTLRLH 234  
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Db 180 VHQPSITSVTOHPRVYRAFSVSATKSPALLPATASKISTQQA-IRPLEASYSIHHTKLH 238  
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QY 235 QRALDYQSQSGREGQGFHILPTILGLFLALLGLVYKRAVERRKALSRRLAR 287  
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Db 239 EQTRHGHGPHYGREDRGLHIPIPEPHILPTILGLFLALLGLVYKRAVERRKALSRRLAR 298  
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QY 288 RLAVRMALESS-QLRPRGSPRPRSONNIYSACPRRARGADAAGTGPVPGAPLP 342  
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Db 299 RLAVRMALESS-QLRPRGSPRPRSONNIYSACPRRARGADAAGTGPVPGAPLP 358  
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QY 343 PPAPLOVSESPWLHAPSLAKTSCYVSLYHOPAAAMMEDSDSDYINVP 389  
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Db 359 SPASPOVLEAPWPHPTPSLAKMSCEYVSLGYPVAVNLEDPDSDYINIP 405  
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RESULT 4  
US-08-961-564A-4  
; Sequence 4, Application US/08961564A  
; Patent No. 6114515  
; GENERAL INFORMATION:  
; APPLICANT: WU, SHUJIAN

APPLICANT: SWEET, RAYMOND  
APPLICANT: TRUNER, ALMESEGD  
TITLE OF INVENTION: PIGRL-1, A MEMBER OF IMMUNOGLOBULIN  
TITLE OF INVENTION: PIGRL-1, A MEMBER OF IMMUNOGLOBULIN  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: RATNER & PRESTIA  
CITY: VALLEY FORGE  
STATE: PA 980  
COUNTRY: USA  
ZIP: 19482  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/961.564A  
FILING DATE: 30-OCT-1997  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/056.935  
FILING DATE: 25-AUG-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: PRESTIA, PAUL F  
REGISTRATION NUMBER: 23,031  
REFERENCE/DOCKET NUMBER: GH-70236  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 610-407-0700  
TELEFAX: 610-407-0701  
TELEX: 846169  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 107 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-961-564A-4

Query Match 26.8%; Score 550; DB 3; Length 107;  
Best Local Similarity 99.0%; Pred. No. 9.8e-43;  
Matches 104; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MDRWLWPLYFLPVSGALRIPLPEVKVEGELGSGVTIKCPLPEMHVRIYLCREMAGSGTCGT 60  
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DB 1 MDRWLWPLYFLPVSGALRIPLPEVKVEGELGSGVTIKCPLPEMHVRIYLCREMAGSGTCGT 60  
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QY 61 VVSTTNFKAEGKRVTLKQYPRKNLFLVEVTLQTESDSGYACG 105  
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DB 61 VVSTTNFKAEGKRVTLKQYPRKNLFLVEVTLQTESDSGYACG 105  
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RESULT 5  
US-09-050-861B-3  
Sequence 3, Application US/09050861B  
Patent No. 6555314  
GENERAL INFORMATION:  
APPLICANT: Payan, Donald  
TITLE OF INVENTION: TOSO AS A TARGET FOR DRUG SCREENING  
FILE REFERENCE: RIGI-002CON  
CURRENT APPLICATION NUMBER: US/09/050.861B  
CURRENT FILING DATE: 1998-03-30  
PRIOR APPLICATION NUMBER: US/09/651.150B  
PRIOR FILING DATE: 2000-08-30  
PRIOR APPLICATION NUMBER: US 09/050.861  
NUMBER OF SEQ ID NOS: 35  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 3  
LENGTH: 73  
TYPE: PRI

ORGANISM: Homo sapiens  
US-09-050-861B-3  
Query Match 18.5%; Score 380; DB 4; Length 73;  
Best Local Similarity 98.6%; Pred. No. 1.7e-27;  
Matches 72; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 33 VTIKCPLPEMHVRIYLCREMAGSGTCGTVSTTNFKAEGKRVTLKQYPRKNLFLVEVT 92  
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DB 1 VTIKCPLPEMHVRIYLCREMAGSGTCGTVSTTNFKAEGKRVTLKQYPRKNLFLVEVT 60  
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QY 93 QLTESDSGYACG 105  
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DB 61 QLTESDSGYACG 73  
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RESULT 6  
US-09-050-861B-12  
Sequence 12, Application US/09050861B  
Patent No. 6555314  
GENERAL INFORMATION:  
APPLICANT: Payan, Donald  
TITLE OF INVENTION: TOSO AS A TARGET FOR DRUG SCREENING  
FILE REFERENCE: RIGI-002CON  
CURRENT APPLICATION NUMBER: US/09/050.861B  
CURRENT FILING DATE: 1998-03-30  
PRIOR APPLICATION NUMBER: US/09/551.150B  
PRIOR FILING DATE: 2000-08-30  
PRIOR APPLICATION NUMBER: US 09/050.861  
PRIOR FILING DATE: 1998-03-30  
NUMBER OF SEQ ID NOS: 35  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 12  
LENGTH: 43  
TYPE: PRI  
ORGANISM: Homo sapiens  
US-09-050-861B-12

Query Match 11.3%; Score 233; DB 4; Length 43;  
Best Local Similarity 100.0%; Pred. No. 2e-14;  
Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 300 QRPGRSPRSONNTYSACPRRARGADAAGTGEAPVPGPGAPL 342  
|||  
DB 1 QRPGRSPRSONNTYSACPRRARGADAAGTGEAPVPGPGAPL 43  
|||

RESULT 7  
US-08-434-000A-8  
Sequence 8, Application US/08434000A  
Patent No. 6046037  
GENERAL INFORMATION:  
APPLICANT: ANDREW C. HIATT, JULIAN  
APPLICANT: K.-C. MA, THOMAS LEHNER  
TITLE OF INVENTION: IMMUNOGLOBULINS CONTAINING PROTECTION  
TITLE OF INVENTION: PROTEINS IN PLANTS AND THEIR USES  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street  
CITY: Los Angeles  
STATE: California  
COUNTRY: U.S.A.  
ZIP: 90071  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
MEDIUM TYPE: storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0  
SOFTWARE: Word Perfect 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/434,000A

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: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA: including application
: PRIOR APPLICATION DATA: described below: 1
: APPLICATION NUMBER: 08/367,395
: FILING DATE: 12/30/94
: ATTORNEY/AGENT INFORMATION:
: NAME: Guise, Jeffrey W.
: REGISTRATION NUMBER: 34,613
: REFERENCE/DOCKET NUMBER: 212/127
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (619) 552-8400
: TELEFAX: (619) 552-0159
: TELEX: 67-3510
: SEQUENCE LISTING
: INFORMATION FOR SEQ ID NO: 8:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 771 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: DESCRIPTION: Mouse Polyimmunoglobulin Receptor
US-08-434-000A-8

Query Match          9.68; Score 198; DB 3; Length 771;
Best Local Similarity 31.58; Pred. No. 1.7e-09;
Matches 53; Conservative 23; Mismatches 68; Indels 24; Gaps 5;

QY 10 FLPVSGALRLPEVKVEGELGGSVTIKCPLPE----MHVRIYLCREMAGSGTCGIYVSTI 65
DB 13 FSGVSTKSPIFGPOEVSSIEGDSVITCYYPDTSVNRHTRKYWCROGA-SGMCTTILISSN 71
QY 66 NFIAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTOKVTLNVHSE 125
DB 72 GYLSKEYSGRANLINFENNTFVINIQLTQDDTGSYKCGLG-TSNRGLSFDVSLEV--- 127
QY 126 YEPSWEEQPMETPKFHPYLFOMPAYASSSKFVTRVTPAQRGKVP 173
DB 128 -----SQVPELPSDTHV-----YTKDIGRNVITIECPFKRENVP 160

RESULT 8
US-09-312-157-8
: Sequence 8, Application US/09312157
: Patent No. 6303341
: GENERAL INFORMATION:
: APPLICANT: ANDREW C. HIATT, JULIAN
: K-C MA, THOMAS LEHNER
: TITLE OF INVENTION: IMMUNOGLOBULINS CONTAINING PROTECTION
: NUMBER OF SEQUENCES: 19
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Lyon & Lyon
: STREET: 633 West Fifth Street
: Suite 4700
: CITY: Los Angeles
: STATE: California
: COUNTRY: U.S.A.
: ZIP: 90071
: COMPUTER READABLE FORM:
: MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
: storage
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: IBM P.C. DOS 5.0
: SOFTWARE: Word Perfect 5.1
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/312,157
: FILING DATE: 14-May-1999
: CLASSIFICATION: <Unknown>
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/434,000
: FILING DATE: <Unknown>

```

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: ATTORNEY/AGENT INFORMATION:
: NAME: Guise, Jeffrey W.
: REGISTRATION NUMBER: 34,613
: REFERENCE/DOCKET NUMBER: 212/127
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (619) 552-8400
: TELEFAX: (619) 552-0159
: TELEX: 67-351
: SEQUENCE LISTING
: INFORMATION FOR SEQ ID NO: 8:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 771 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: DESCRIPTION: Mouse Polyimmunoglobulin Receptor
US-09-312-157-8

Query Match          9.68; Score 198; DB 4; Length 771;
Best Local Similarity 31.58; Pred. No. 1.7e-09;
Matches 53; Conservative 23; Mismatches 68; Indels 24; Gaps 5;

QY 10 FLPVSGALRLPEVKVEGELGGSVTIKCPLPE----MHVRIYLCREMAGSGTCGIYVSTI 65
DB 13 FSGVSTKSPIFGPOEVSSIEGDSVITCYYPDTSVNRHTRKYWCROGA-SGMCTTILISSN 71
QY 66 NFIAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTOKVTLNVHSE 125
DB 72 GYLSKEYSGRANLINFENNTFVINIQLTQDDTGSYKCGLG-TSNRGLSFDVSLEV--- 127
QY 126 YEPSWEEQPMETPKFHPYLFOMPAYASSSKFVTRVTPAQRGKVP 173
DB 128 -----SQVPELPSDTHV-----YTKDIGRNVITIECPFKRENVP 160

RESULT 9
US-08-961-564A-9
: Sequence 9, Application US/08961564A
: Patent No. 6114515
: GENERAL INFORMATION:
: APPLICANT: WUI SHUJIAN
: APPLICANT: SWEET, RAYMOND
: TITLE OF INVENTION: PIGRL-1, A MEMBER OF IMMUNOGLOBULIN
: NUMBER OF SEQUENCES: 9
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: RATNER & PRESTIA
: STREET: P.O. BOX 980
: CITY: VALLEY FORGE
: STATE: PA
: COUNTRY: USA
: ZIP: 19482
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FastSeq for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/961,564A
: FILING DATE: 30-OCT-1997
: CLASSIFICATION: 536
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 60/056,935
: FILING DATE: 25-AUG-1997
: ATTORNEY/AGENT INFORMATION:
: NAME: PRESTIA, PAUL F
: REGISTRATION NUMBER: 23,031
: REFERENCE/DOCKET NUMBER: GH-70236
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 610-407-0700
: TELEFAX: 610-407-0701

```

```

/
TELEX: 846169
/
INFORMATION FOR SEQ ID NO: 9:
/
SEQUENCE CHARACTERISTICS:
/
LENGTH: 109 amino acids
/
TYPE: amino acid
/
STRANDEDNESS: single
/
TOPOLOGY: linear
/
MOLECULE TYPE: protein
/
US-08-961-564A-9
/
Query Match
Best Local Similarity 9.1%; Score 187; DB 3; Length 109;
Matches 41; Conservative 19; Mismatches 41; Indels 6; Gaps 3;
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QY 21 PEVKVEGELGGVTKCLPLP-----EMHRYIYLCREM-AGSGTCTGVVSTTNFTKAEYKGR 75
DB 4 PE-EVNSVEGNSVITCYPTTSVNRHTRKYWCQPGARGGLCLTILSSGYSVSSRYAGR 62
QY 76 VTLLQYPRKNLFLVEVTLTSDSGVYACGAGMNTDRGKTOKVTLNV 122
DB 63 ANLTNPENGTEFVNIAQLSDQDSGRYKCGLGINSRLGLSFDVSLV 109
/
RESULT 1C
US-08-434-000A-10
/
Sequence 10, Application US/08434000A
/
Patent No. 6046037
/
GENERAL INFORMATION:
/
APPLICANT: ANDREW C. HIATT, JULIAN
/
APPLICANT: K.-C. MA, THOMAS LEHNER
/
TITLE OF INVENTION: IMMUNOGLOBULINS CONTAINING PROTECTION
/
TITLE OF INVENTION: PROTEINS IN PLANTS AND THEIR USES
/
NUMBER OF SEQUENCES: 19
/
CORRESPONDENCE ADDRESS:
/
ADDRESSEE: LYON & LYON
/
STREET: 633 West Fifth Street
/
CITY: Los Angeles
/
STATE: California
/
COUNTRY: U.S.A.
/
ZIP: 90071
/
COMPUTER READABLE FORM:
/
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
/
MEDIUM TYPE: storage
/
COMPUTER: IBM Compatible
/
OPERATING SYSTEM: IBM P.C. DOS 5.0
/
SOFTWARE: Word Perfect 5.1
/
CURRENT APPLICATION DATA:
/
APPLICATION NUMBER: US/08/434,000A
/
FILING DATE:
/
CLASSIFICATION: 435
/
PRIOR APPLICATION DATA:
/
PRIOR APPLICATION DATA: including application 1
/
PRIOR APPLICATION DATA: described below:
/
APPLICATION NUMBER: 08/367,395
/
FILING DATE: 12/30/94
/
ATTORNEY/AGENT INFORMATION:
/
NAME: Guise, Jeffrey W.
/
REGISTRATION NUMBER: 34,613
/
REFERENCE/DOCKET NUMBER: 212/127
/
TELEPHONE: (619) 552-8400
/
TELEFAX: (619) 552-0159
/
TELEX: 67-3510
/
INFORMATION FOR SEQ ID NO: 10:
/
SEQUENCE CHARACTERISTICS:
/
LENGTH: 769 amino acids
/
TYPE: amino acid
/
STRANDEDNESS: single
/
TOPOLOGY: linear
/
TOPOLOGY: linear
/
DESCRIPTION: Rat Polymunoglobulin Receptor
/
US-08-434-000A-10
/
Query Match
Best Local Similarity 9.0%; Score 185; DB 4; Length 769;
Matches 41; Conservative 21; Mismatches 41; Indels 16; Gaps 4;
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QY 30 GGSVTIKCPLE-----MHVRYIYLCREMAGSGTCTGVVSTTNFTKAEYKGRVTLKQYPRKN 85
DB 33 GNSVSITCYPTTSVNRHTRKYWCQGA-NGYCATLSSNGYLSKEYSGRASLINFPPNS 91
QY 86 LFLVEVTLTSDSGVYACGAGMNTDRGKTOKVTLNVHSEYEPSEWQPMPTPKWPHL 144
DB 92 IFVINIAHLTQEDTGSYKCGLG-TTNRGLFDFNSLEV-----SQYFEPFNDIHV 139
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RESULT 1I
US-09-312-157-10
/
Sequence 10, Application US/09312157
/
Patent No. 6303341
/
GENERAL INFORMATION:
/
APPLICANT: ANDREW C. HIATT, JULIAN
/
APPLICANT: K.-C. MA, THOMAS LEHNER
/
TITLE OF INVENTION: IMMUNOGLOBULINS CONTAINING PROTECTION
/
TITLE OF INVENTION: PROTEINS IN PLANTS AND THEIR USES
/
NUMBER OF SEQUENCES: 19
/
CORRESPONDENCE ADDRESS:
/
ADDRESSEE: LYON & LYON
/
STREET: 633 West Fifth Street
/
CITY: Los Angeles
/
STATE: California
/
COUNTRY: U.S.A.
/
ZIP: 90071
/
COMPUTER READABLE FORM:
/
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
/
MEDIUM TYPE: storage
/
COMPUTER: IBM Compatible
/
OPERATING SYSTEM: IBM P.C. DOS 5.0
/
SOFTWARE: Word Perfect 5.1
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CURRENT APPLICATION DATA:
/
APPLICATION NUMBER: US/09/312,157
/
FILING DATE: 14-May-1999
/
CLASSIFICATION: <Unknown>
/
PRIOR APPLICATION DATA:
/
PRIOR APPLICATION NUMBER: 08/434,000
/
FILING DATE: <Unknown>
/
ATTORNEY/AGENT INFORMATION:
/
NAME: Guise, Jeffrey W.
/
REGISTRATION NUMBER: 34,613
/
REFERENCE/DOCKET NUMBER: 212/127
/
TELEPHONE: (619) 552-8400
/
TELEFAX: (619) 552-0159
/
TELEX: 67-351
/
SEQUENCE LISTING
/
INFORMATION FOR SEQ ID NO: 10:
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SEQUENCE CHARACTERISTICS:
/
LENGTH: 769 amino acids
/
TYPE: amino acid
/
STRANDEDNESS: single
/
TOPOLOGY: linear
/
TOPOLOGY: linear
/
DESCRIPTION: Rat Polymunoglobulin Receptor
/
US-09-312-157-10
/
Query Match
Best Local Similarity 9.0%; Score 185; DB 4; Length 769;
Matches 41; Conservative 21; Mismatches 41; Indels 16; Gaps 4;
/
QY 30 GGSVTIKCPLE-----MHVRYIYLCREMAGSGTCTGVVSTTNFTKAEYKGRVTLKQYPRKN 85
DB 33 GNSVSITCYPTTSVNRHTRKYWCQGA-NGYCATLSSNGYLSKEYSGRASLINFPPNS 91
QY 86 LFLVEVTLTSDSGVYACGAGMNTDRGKTOKVTLNVHSEYEPSEWQPMPTPKWPHL 144

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db 92 TFWINIAHLTOEDGSKGCLG-TNRGLFEVSLFV-----SOVPEPNDTHV 139

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1  RESULT 12
2  US-09-095-385-4
3  : Sequence 4, Application US/09095385
4  : Patent No. 6300104
5  : GENERAL INFORMATION:
6  : APPLICANT: Morrison, Sherie L.
7  : APPLICANT: Chintalacharuvu, Kote K.
8  : TITLE OF INVENTION: SECRETORY IMMUNOGLOBULIN PRODUCED
9  : TITLE OF INVENTION: BY SINGLE CELLS AND METHODS FOR MAKING AND USING
10 : TITLE OF INVENTION: SAME
11 : NUMBER OF SEQUENCES: 4
12 : CORRESPONDENCE ADDRESS:
13 : ADDRESSEE: Merchant, Gould, Smith, Edell, Welter & Schmidt
14 : STREET: 1150 Santa Monica Boulevard, Suite 400
15 : CITY: Los Angeles
16 : STATE: CA
17 : COUNTRY: USA
18 : ZIP: 90025

```

```

Query Match      8.9% Score 182: DR 4: Length 608;
Best Local Similarity 37.4% Pred. No. 3.5e-08;
Matches 43; Conservative 20; Mismatches 40; Indels 12; Gaps 5;

CY 12 PVSGALRILPEVKVYELGGSGVTKCLP:---EMHVRIVLCREMAGSGICGTVVSTNF 67
   |||A||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 21 PIFG-----PE-EYNSVEGNSVITCYPTPSNRHTRKYWCARGG-CITLISSEGY 73
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 68 IKAKEYGVTLLQPKRNKLFVETVLTQTESDSGVYACGAMMTDRGKTQKVTLV 122
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 74 VSKYKAGRANLTNPENGTFFWIIAOLSDDSGRYKGLGINS-RGLSFDVSYLEV 127
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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RESULT 13
US-08-434-000A-4
; Sequence 4, Application US/08434000A
; Patent No. 6046037
; GENERAL INFORMATION:
; APPLICANT: ANDREW C. HIATT, JULIAN
; APPLICANT: K.-C. MA, THOMAS LEHNER
; TITLE OF INVENTION: IMMUNOGLOBULINS CONTAINING PROTECTION
; TITLE OF INVENTION: PROTEINS IN PLANTS AND THEIR USES

```

```

NUMBER OF SEQUENCES:   19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
SUITE: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/434,000A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08/367,395
FILING DATE: 12/30/94
ATTORNEY/AGENT INFORMATION:
NAME: Guise, Jeffrey W.
REGISTRATION NUMBER: 34,613
REFERENCE/DOCKET NUMBER: 212/127
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 552-8400
TELEFAX: (619) 552-0159
TELEX: 67-3510
SEQUENCE CHARACTERISTICS:
LENGTH: 746 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
DESCRIPTION: Human Polyimmunoglobulin Receptor
US-08-434-000A-4

Query Match      8.98; Score 182.; DB 3; Length 746;
Best Local Similarity 37.4%; Pred. No. 4.6e-08;
Matches 43; Conservative 20; Mismatches 40; Indels 12; Gaps 5;

CY    12 PVSGALRIPLPEVKVEGLGGSVTIKPPLP----EMHVRILYLCRENAGSGTCTGVVSTNF 67
DB    3 PFIF-----PE-EVNSVEGSSVIITCVPTSVNRHRKYWCRCQARGG-CITLISSEGY 55
               ||| | | | | | | | | | | | | | | | | | | | | | | | | | 
QY    68 IKAIEKGRNVTLKPYPKNLFELVEVLTDSDGVACGAGNMIDRGTKQKVLYNW 122
                :||| |:| | | :||| | | | | | | | | | | | | | | | | | | | |
DB    56 VSSYAGRNLNTPFPNGTFVNINAGLSODDSGRYCKGLGINS-RGLSFDVSLEV 109
              :::: ||| | | | | | | | | | | | | | | | | | | | | | 

RESULT 14
US-09-312-157-4
Sequence 4, Application US/09312157
Patent No. 6303341
GENERAL INFORMATION:
APPLICANT: ANDREW C. HIATT, JULIAN K.-C. MA, THOMAS LEHER
TITLE OF INVENTION: IMMUNOGLOBULINS CONTAINING PROTECTION
PROTEINS IN PLANTS AND THEIR USES
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
SUITE: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
```



GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 14, 2003, 02:02:25 ; Search time 247 Seconds  
(without alignments)  
6361.767 Million cell updates/sec

Title: US-09-651-150B-1

Perfect score: 1911  
Sequence: 1 aaagagtaacagcgtgtc.....taactgtgtccatccctt 1911

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 601805 seqs, 41134613 residues

Total number of hits satisfying chosen parameters: 1203610

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending Patents\_NA\_New.\*

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3: /cgn2\_6/ptodata/2/pna/US07\_NEW\_COMB.seq.\*  
4: /cgn2\_6/ptodata/2/pna/US08\_NEW\_COMB.seq.\*  
5: /cgn2\_6/ptodata/2/pna/US09\_NEW\_COMB.seq.\*  
6: /cgn2\_6/ptodata/2/pna/US10\_NEW\_COMB.seq.\*  
7: /cgn2\_6/ptodata/2/pna/US60\_NEW\_COMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	48.4	2.5	8324	7	US-60-495-114-250
2	48.4	2.5	8324	7	US-60-495-114-250
3	48.4	2.5	80948	7	US-60-495-114-16327
4	48.4	2.5	80948	7	US-60-495-114-16327
5	48.2	2.5	2904	1	PCI-US03-23760-4
6	48.2	2.5	2904	1	PCI-US03-23760-4
7	42	2.2	49393	7	US-60-487-610-19842
8	42	2.2	4813087	5	US-09-947-914-75
9	41.8	2.2	1433	6	US-10-648-593-107
10	41.8	2.2	1433	6	US-10-365-352-41
11	41.2	2.2	99957	1	PCI-US02-38582-298
12	40.8	2.1	208820	7	US-60-495-114-16936
13	40.4	2.1	13831263	5	US-09-947-914-41
14	39.6	2.1	8154	7	US-60-483-917-69
15	39.2	2.1	146080	7	US-60-487-610-19648
16	38.2	2.0	28770	5	US-09-817-198C-3
17	38.6	2.0	1437	1	PCI-US03-22509-7
18	38.2	2.0	33888	7	US-60-485-450-11876
19	38	2.0	3897	1	PCI-US03-23760-20
20	38	2.0	22210	1	PCI-US03-23760-19
21	37.8	2.0	208820	7	US-60-495-114-16936
22	37.6	2.0	931	6	US-10-425-114A-13516
23	37.6	2.0	931	6	US-10-425-114A-13516
24	37.6	2.0	3065	5	US-09-654-936A-35
25	37.6	2.0	57971	7	US-60-485-450-12270
26	37.4	2.0	98879	7	US-60-495-114-16782

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c 27 37.2 1.9 1760 6 US-10-425-114A-25148 Sequence 25148, A
c 28 37.2 1.9 3505 7 US-60-495-114-800 Sequence 800, App
c 29 37.2 1.9 9830 7 US-60-495-114-801 Sequence 801, App
c 30 37.2 1.9 10294 7 US-60-495-114-802 Sequence 802, App
c 31 37.2 1.9 10971 7 US-60-495-114-803 Sequence 803, App
c 32 37.2 1.9 260549 7 US-60-495-114-16547 Sequence 16547, A
c 33 37 1.9 42452 7 US-60-495-114-16730 Sequence 16730, A
c 34 37 1.9 693141 7 US-60-495-114-16237 Sequence 16237, A
c 35 36.8 1.9 1130 6 US-10-425-114A-3042 Sequence 3042, A
c 36 36.8 1.9 1168 6 US-10-425-114A-24161 Sequence 24161, A
c 37 36.8 1.9 1869 1 PCT-US03-20041-71 Sequence 71, Appl
c 38 36.8 1.9 4813087 5 US-09-947-914-75 Sequence 75, Appl
c 39 36.6 1.9 570 6 US-10-425-114A-1459 Sequence 1459, App
c 40 36.6 1.9 1068 6 US-10-425-114A-34562 Sequence 34562, A
c 41 36.6 1.9 1273 6 US-10-425-114A-15739 Sequence 15739, A
c 42 36.6 1.9 2907 1 PCT-US03-22650-70 Sequence 70, Appl
c 43 36.6 1.9 4022 7 US-60-490-890-1555 Sequence 1555, App
c 44 36.6 1.9 65518 7 US-60-495-114-16671 Sequence 16671, A
c 45 36.6 1.9 107309 7 US-60-495-114-16565 Sequence 16565, A

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#### ALIGNMENTS

##### RESULT 1

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US-60-495-114-250
; Sequence 250, Application US/60495114
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; TITLE OF INVENTION: POLYMORPHISMS IN NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: ENCODING HUMAN PROTEASE PROTEINS, METHODS OF DETECTION AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001480
; CURRENT APPLICATION NUMBER: US/60/495,114
; CURRENT FILING DATE: 2003-08-15
; NUMBER OF SEQ ID NOS: 91238
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250
; LENGTH: 8324
; TYPE: DNA
; ORGANISM: Homo sapiens
US-60-495-114-250

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Query Match 2.5%; Score 48.4; DB 7; Length 8324;

Best Local Similarity 51.9%; Pred. No. 0.0035;

Matches 109; Conservative 0; Mismatches 101; Indels 0; Gaps 0;

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Qy 910 GAAAGCCCTTCAGGCGGCGCCGCGACTGCGGTGAGGATGCGCCCTCGAGAGCTC 969
Db 9 GTACCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 68
Qy 970 CCAGAGCGCGCGCGCGGTGCGCGGACCGCGCTCCCAAAACACATCTACAGCGCTGCC 1029
Db 69 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 128
Qy 1030 GCGCGCGCGCTGTGGAGCGGACGCTGCAGGCACAGGAGGCGCGCGCGCGCGCG 1089
Db 129 CGAGCGGCTCGAGGCTCGCTGCTGCTCCTACCGGTCGCCGCGCGCGCGCGCGCG 188
Qy 1090 AGCCCGCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1119
Db 189 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 218

```

##### RESULT 2

```

US-60-495-135-39
; Sequence 39, Application US/60495135
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; TITLE OF INVENTION: POLYMORPHISMS IN NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: ENCODING HUMAN ENZYME PROTEINS, METHODS OF DETECTION AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001479

```

Query Match 2.5%; Score 48.4; DB 7; Length 8324;  
Best Local Similarity 51.9%; Pred. No. 0.0035;  
Matches 109; Conservative 0; Mismatches 101; Indels 0; Gaps 0;  
US-60-495-135-39  
CURRENT APPLICATION NUMBER: US/60/495,135  
CURRENT FILING DATE: 2003-08-15  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 39  
LENGTH: 8324  
TYPE: DNA  
ORGANISM: Homo sapiens

910 GAAGAGCCCTCCAGGCGGCGCGGCGGCTCCAGGCTGCGGCTGAGGATCGGCGCTGAGAGCTC 969  
9 GTACCCCG 68  
970 CCAGAGGCGCGCGGCGGCTCGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1029  
69 GCG 128  
1030 GCG 1089  
129 CGAGAGGCGCTGAGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGG 188  
1090 AGCGCGGCTGCG 1119  
189 CG 218

## RESULT 3

US-60-495-114-16327  
Sequence 16327, Application US/60495114

GENERAL INFORMATION:  
APPLICANT: CARGILL, Michele  
TITLE OF INVENTION: POLYMORPHISMS IN NUCLEIC ACID MOLECULES  
FILE REFERENCE: CL001480  
CURRENT APPLICATION NUMBER: US/60/495,114  
CURRENT FILING DATE: 2003-08-15  
NUMBER OF SEQ ID NOS: 91238  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 16327  
LENGTH: 80948  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)...(80948)  
OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-4)  
US-60-495-114-16327

Query Match 2.5%; Score 48.4; DB 7; Length 80948;  
Best Local Similarity 50.9%; Pred. No. 0.012;  
Matches 115; Conservative 0; Mismatches 111; Indels 0; Gaps 0;  
US-60-495-114-16327  
984 GGGCGGTTGAAGAGGAGAAAGCCCTCTCCAGGCGGCGCGCGCGCGCGCGCGCGCGCGCGCG 953  
5994 GGGCGGATCTCTCCCACTACCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 6053  
954 GCGCGCTGGAGAGCTCCAGAGGCG 1013  
6054 TGGCG 6113  
1014 TCTACAGGCGCTGCCCG 1073  
6114 TTCTCGGCG 6173  
1074 CCGTTCG 1119  
6174 GCG 6219

## RESULT 4

US-60-495-135-3608  
Sequence 3608, Application US/60495135  
GENERAL INFORMATION:  
APPLICANT: CARGILL, Michele  
TITLE OF INVENTION: POLYMORPHISMS IN NUCLEIC ACID MOLECULES  
FILE REFERENCE: CL001479  
CURRENT APPLICATION NUMBER: US/60/495,135  
CURRENT FILING DATE: 2003-08-15  
NUMBER OF SEQ ID NOS: 18339  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 3608  
LENGTH: 80948  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)...(80948)  
OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-4)  
US-60-495-135-3608

Query Match 2.5%; Score 48.4; DB 7; Length 80948;  
Best Local Similarity 50.9%; Pred. No. 0.012;  
Matches 115; Conservative 0; Mismatches 111; Indels 0; Gaps 0;  
US-60-495-135-3608  
894 GGGCGGTTGAAGAGGAGAAAGCCCTCTCCAGGCGGCGCGCGCGCGCGCGCGCGCGCGCGCG 953  
5994 GGGCGGATCTCTCCCACTACCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 6053  
954 GCGCGCTGGAGAGCTCCAGAGGCG 1013  
6054 TGGCG 6113  
1014 TCTACAGGCGCTGCCCG 1073  
6114 TTCTCGGCG 6173  
1074 CCGTTCG 1119  
6174 GCG 6219

## RESULT 5

PCT-US03-23760-4  
Sequence 4, Application PC/TUS0323760  
GENERAL INFORMATION:  
APPLICANT: Isis Pharmaceuticals, Inc.  
APPLICANT: Sanjay Bhanot  
APPLICANT: Susan M. Freier  
TITLE OF INVENTION: ANTISENSE MODULATION OF PERILIPIN EXPRESSION  
FILE REFERENCE: R1S-0355WO  
CURRENT APPLICATION NUMBER: PCT/US03/23760  
CURRENT FILING DATE: 2003-07-30  
PRIOR APPLICATION NUMBER: 10/213,796  
PRIOR FILING DATE: 2002-08-06  
NUMBER OF SEQ ID NOS: 170  
SEQ ID NO 4  
LENGTH: 2904  
TYPE: DNA  
ORGANISM: H. sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (125)...(1693)  
PCT-US03-23760-4

Query Match 2.5%; Score 48.2; DB 1; Length 2904;  
Best Local Similarity 43.3%; Pred. No. 0.0022;  
Matches 224; Conservative 0; Mismatches 293; Indels 0; Gaps 0;  
PCT-US03-23760-4





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; NAME/KEY: misc_feature
; LOCATION: (1)...(99957)
; OTHER INFORMATION: n = A,T,C or G
PCT-US02-38582-298

Query Match      2.2%  Score 41.2; DB 1; Length 99957;
Best Local Similarity 54.7%; Pred. No. 1.7;
Matches 82; Conservative 0; Mismatches 66; Indels 0; Gaps 0;

QY 963 AGAGTCCACAGAGCGCGCGGTGCGCGACCGCGTCCCAAAACAATCTACAGCG 1022
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 11255 AGGGCGGACAGAGGCTTAGCTCGGCGCGTCCGCGCGCGGCGGAAATCGACGG 11196

QY 1023 CCGTCCCGCGCGCGCTCGTAGCGGACGCTGACGAGCACAGGGAGCGCCCGTTCGG 1082
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 11195 CCGCATCGAGGGGCGACCGGCTCGGCGCGCTGCGACGCAAGGGCGAAGCGCGATTGGG 11136

QY 1083 GCCCGGAGCGCGTTCGCGCGCGCGCGCGC 1112
    ||||| ||||| ||||| ||||| ||||| |||||
Db 11135 GCCCACTTCGCGCGCGCGCGCTCGCGCGCGC 11106

RESULT 12
US-60-495-114-16936/c
; Sequence 16936, Application US/60495114
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michelle
; TITLE OF INVENTION: POLYMORPHISMS IN NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: ENCODING HUMAN PROTEASE PROTEINS, METHODS OF DETECTION AND
; FILE REFERENCE: CL001480
; CURRENT APPLICATION NUMBER: US/60/495,114
; CURRENT FILING DATE: 2003-08-15
; NUMBER OF SEQ ID NOS: 91238
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16936
; LENGTH: 208820
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(208820)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-
US-60-495-114-16936

Query Match      2.1%  Score 40.8; DB 7; Length 208820;
Best Local Similarity 50.8%; Pred. No. 3.3;
Matches 123; Conservative 0; Mismatches 117; Indels 2; Gaps 2;

QY 835 CCTGATCCCGACCATCTCGGCGCTTTTCTCTGCGACTTCTGCGGCTGGTGGTAAAG 894
    ||| |||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 175467 CTTATCCGCGCGCTCCGGGGCAACGCTCGCGCGCGGGCGGTCTCGGGGGCGCGG 175408

QY 895 GCGCGTTGAAGAGGAAAGCCCTCTCCAGCGGGCGCGCGCGCTGCGGATGCGG 954
    |||| ||| ||| ||| ||| |||| |||| |||| |||| |||| |||| ||||
Db 175407 GCGCGGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCTGCTGTTGGGGGGCGG 175348

QY 955 CGCGCTGGAGAGCTCCAGAGGCGCGCG--CGGGTGGCGCGCGCGCGCTCCCAAAACAAC 1012
    |||| ||| ||| ||| ||| |||| |||| |||| |||| |||| |||| ||||
Db 175347 CGGGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCTCTCCCGGGCGC 175288

QY 1013 ATCTAGAGCGCTGCGCGCGCGCGCTGCTGAGCGGAGCGCTGCGAGGACAGGAGCGC 1072
    ||| |||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 175287 GCGCGCGCGCGCGCGCGCGCTCATGCGGAGCGCGCGCGCGCGAGCGGAGCGCG 175229

QY 1073 CC 1074
    ||
Db 175227 CC 175226

RESULT 13
US-09-947-914-41/c
; Sequence 41, Application US/09947914
```

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; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig
; TITLE OF INVENTION: COLLECTION OF SINGLE NUCLEOTIDE POLYMORPHISM (SNPs) LOCATED ON
; FILE REFERENCE: CL001298
; CURRENT APPLICATION NUMBER: US/09/947,914
; CURRENT FILING DATE: 2001-09-07
; NUMBER OF SEQ ID NOS: 75
; SEQ ID NO 41
; LENGTH: 13831263
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(13831263)
; OTHER INFORMATION: n = A,T,C or G
US-09-947-914-41

Query Match      2.1%  Score 40.4; DB 5; Length 13831263;
Best Local Similarity 53.9%; Pred. No. 28;
Matches 83; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

QY 1283 TGTGTGCCAAGGATCTCATCTATCTGTGATGTCCAATACCTGCTTCATGTGTCTCA 1342
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 12415518 TGAGGCCACCAGGATTCATCAATATAGTTCTTCCCACTACTTAATCAGTTGTCTAA 12415459

QY 1343 GAGCCCTCATCTCCCTCCCATGCCCATCTCGACTCCCATCCCATCTATCTCTGGCGCTG 1402
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 12415458 GAAATCCAACTCCCAAGGTGACCATTTATCTAGTCTAGTCCCAACAACCTGTATCCCTG 12415399

QY 1403 AGCATGGCTCTGCCCGCAGGTCTGCTTGGACACC 1436
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 12415398 TGCTGCCCGCAGTCCCTGAGTGCATCTCCACTCC 12415365

RESULT 14
US-60-483-917-69/c
; Sequence 69, Application US/60483917
; GENERAL INFORMATION:
; APPLICANT: Gan, Li
; APPLICANT: Shiva, David
; APPLICANT: Chin, Daniel J
; APPLICANT: von Schack, David
; APPLICANT: Urfer, Roman
; APPLICANT: Gonzalez-Zulueta, Mirella
; TITLE OF INVENTION: NUCLEIC ACIDS ASSOCIATED WITH NEURODEGENERATIVE DISORDERS
; FILE REFERENCE: 00208 0013.PZUS00
; CURRENT APPLICATION NUMBER: US/60/483,917
; CURRENT FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 69
; LENGTH: 8154
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (149)...(7459)
US-60-483-917-69

Query Match      2.1%  Score 39.6; DB 7; Length 8154;
Best Local Similarity 52.4%; Pred. No. 1.3;
Matches 87; Conservative 0; Mismatches 79; Indels 0; Gaps 0;

QY 944 GTGAGGATGCGCGCTCGAGAGCTCCAGAGGCGCGCGGTGCGCGGACCGCGCTCC 1003
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 243 GGGATGAAGATCTCGAGAGCCAGGACCCAGGCTCCGGCGTTTGAGCGTTCAGTTCTTC 184

QY 1004 CAAACAACATCTACAGCGCTCGCGCGCGCGCGCTGCTGGAGCGGACGCTGAGGCACA 1063
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 183 CAGAGCAGAGCTGCAGCTGGTGCAGGAAGCCCATGCGGGGCGGCGCTCCCGCGCTCA 124

QY 1064 GGGAGGCGCGCGTTCGCCGCGCGCGGAGCGCGCTTGCCCGCGCGCC 1109
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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: September 14, 2003, 04:22:36 : Search time 27 Seconds  
(without alignments)  
2107.624 Million cell updates/sec

Title:

US-09-651-150B-2

Perfect score:

2055

Sequence:

1 MDRWLWPLYFLPVSGALRIL.....HQRAMMEDSDSDYINVPA 390

Scoring table:

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Gapop 10.0 , Gapext 0.5

Searched:

541936 seqs, 1459:2426 residues

Total number of hits satisfying chosen parameters: 541936

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications\_AA:\*

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- 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pcp.\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US05\_NEW\_PUB.pcp.\*
- 4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pcp.\*
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- 7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pcp.\*
- 8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pcp.\*
- 9: /cgn2\_6/ptodata/2/pubpaa/US09A\_PUBCOMB.pcp.\*
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- 11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pcp.\*
- 12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pcp.\*
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- 14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pcp.\*
- 15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pcp.\*
- 16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pcp.\*
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- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pcp.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2055	100.0	390	10	US-09-135-238B-2
2	732	35.6	255	11	US-09-866-050A-683
3	331.5	16.1	84	10	US-09-135-238B-3
4	233	11.3	43	10	US-09-135-238B-12
5	198	9.6	771	10	US-09-949-039-68
6	198	9.6	771	12	US-09-949-039-68
7	195	9.5	771	10	US-09-818-247-3
8	185	9.0	769	10	US-09-818-247-4
9	185	9.0	769	10	US-09-982-107-10
10	185	9.0	769	12	US-09-949-039-69
11	184	9.0	758	12	US-09-949-039-66
12	182	8.9	608	10	US-09-950-294-4
13	182	8.9	746	10	US-09-982-107-4
14	182	8.9	757	10	US-09-818-247-2
15	182	8.9	757	10	US-09-982-107-6

16	182	8.9	757	12	US-09-949-039-67	Sequence 67, Appl
17	182	8.9	764	10	US-09-818-247-1	Sequence 1, Appl
18	182	8.9	764	10	US-09-981-353-59	Sequence 59, Appl
19	182	8.9	764	10	US-09-989-919-124	Sequence 124, App
20	182	8.9	764	12	US-09-949-039-65	Sequence 65, Appl
21	179	8.7	732	10	US-09-818-247-5	Sequence 5, Appl
22	179	8.7	733	12	US-09-949-039-70	Sequence 70, Appl
23	176.5	8.6	602	14	US-10-047-542-51	Sequence 51, Appl
24	170.5	8.3	305	15	US-10-188-012-1	Sequence 1, Appl
25	167.5	8.2	772	12	US-09-949-039-71	Sequence 71, Appl
26	166.5	8.1	624	11	US-09-491-322-22	Sequence 22, Appl
27	166.5	8.1	624	12	US-10-372-614-22	Sequence 22, Appl
28	166.5	8.1	771	12	US-09-969-748C-13	Sequence 13, Appl
29	166.5	8.1	771	12	US-09-949-039-99	Sequence 99, Appl
30	166.5	8.1	773	10	US-09-818-247-6	Sequence 6, Appl
31	166.5	8.1	773	10	US-09-982-107-2	Sequence 2, Appl
32	149	7.3	282	15	US-10-188-012-3	Sequence 3, Appl
33	129.5	6.3	332	9	US-09-989-722-517	Sequence 517, App
34	129.5	6.3	332	9	US-09-989-723-517	Sequence 517, App
35	129.5	6.3	332	9	US-09-989-729-517	Sequence 517, App
36	129.5	6.3	332	9	US-09-989-727-517	Sequence 517, App
37	129.5	6.3	332	10	US-09-989-731-517	Sequence 517, App
38	129.5	6.3	332	10	US-09-989-732-517	Sequence 517, App
39	129.5	6.3	332	10	US-09-991-073-517	Sequence 517, App
40	129.5	6.3	332	10	US-09-990-442-517	Sequence 517, App
41	129.5	6.3	332	10	US-09-991-163-517	Sequence 517, App
42	129.5	6.3	332	10	US-09-993-604-517	Sequence 517, App
43	129.5	6.3	332	10	US-09-990-456-517	Sequence 517, App
44	129.5	6.3	332	10	US-09-989-721-517	Sequence 517, App
45	129.5	6.3	332	10	US-09-978-295A-216	Sequence 216, App

#### ALIGNMENTS

#### RESULT 1

US-09-135-238B-2  
: Sequence 2, Application US/09135238B  
: Patent No. US20020177565A1  
: GENERAL INFORMATION:  
: APPLICANT: No. US20020177565Alan, Garry P.  
: APPLICANT: Hitoshi, Yasumichi  
: TITLE OF INVENTION: TOSO  
: FILE REFERENCE: A65635-1/QJB/RMS  
: CURRENT APPLICATION NUMBER: US/09/135.238B  
: CURRENT FILING DATE: 1998-08-17  
: PRIOR APPLICATION NUMBER: 60/066.063  
: PRIOR FILING DATE: 1997-11-17  
: NUMBER OF SEQ ID NOS: 31  
: SOFTWARE: PatentIn Ver. 2.0  
: SEQ ID NO 2  
: LENGTH: 390  
: TYPE: PRT  
: ORGANISM: Homo sapiens  
US-09-135-238B-2

Query Match	100.0%	Score	2055	DB	10	Length	390
Best Local Similarity	100.0%	Pred. No.	1.9e-162				
Matches	390	Conservative	0	Mismatches	0	Indels	0
Gaps	0						
Qy	1	MDRWLWPLYFLPVSGALRILPEVKVEGELGSGVTKICPLPEMHVRIYLCREMGAGSGTGT	60				
Db	1	MDRWLWPLYFLPVSGALRILPEVKVEGELGSGVTKICPLPEMHVRIYLCREMGAGSGTGT	60				
Qy	61	VVSTINFKAKEYGRVTLKOYPRKNLFLVEVTOLIESDSGVYACGAGMNTDRGKTOKVTL	120				
Db	61	VVSTINFKAKEYGRVTLKOYPRKNLFLVEVTOLIESDSGVYACGAGMNTDRGKTOKVTL	120				
Qy	121	NVHSEYEPSNEQPMPTPKWFLPYLFQMPAYASSKVFVTRVTPAQKGKVPVHHSSP	180				
Db	121	NVHSEYEPSNEQPMPTPKWFLPYLFQMPAYASSKVFVTRVTPAQKGKVPVHHSSP	180				
Qy	181	TTQITHRPRVSRASSVAGDKPRTFLSTTASKISALEGLLKPOTPSYNHHTRLHROALD	240				

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Db 181 TQIITHPRVSRVSSVAGDKPTFLPSTTASKISALEGILAKPTQPSYNNHHTLHRQALD 24C
Qy 241 YGSQSGREGCGFHILPTILGLFLLALLGLVYKRAVERRKALSRARRLAVYKRALESSQ 300
Db 241 YGSQSGREGCGFHILPTILGLFLLALLGLVYKRAVERRKALSRARRLAVYKRALESSQ 300
Qy 301 RPRGSPRPRSQNNIYSACPRRARGADAAGTGEAPVPGGAPLPAPLQVSESPWLHAPSL 360
Db 301 RPRGSPRPRSQNNIYSACPRRARGADAAGTGEAPVPGGAPLPAPLQVSESPWLHAPSL 360
Qy 361 KTSCEYVSLYHOPAAAMMEDSDDDYINVPA 390
Db 361 KTSCEYVSLYHOPAAAMMEDSDDDYINVPA 390

RESULT 2
US-09-866-050A-683
; Sequence 683, Application US/09866050A
; Publication No. US20030040471A1
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; TITLE OF INVENTION: and Methods for Their Use
; FILE REFERENCE: 11000.1011c4U
; CURRENT APPLICATION NUMBER: US/09/866,050A
; CURRENT FILING DATE: 2001-05-24
; NUMBER OF SEQ ID NOS: 725
; SOFTWARE: FastSeq for Windows Version: 4.0
; SEQ ID NO 683
; LENGTH: 255
; TYPE: PR1
; ORGANISM: Mouse
US-09-866-050A-683
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Query Match 35.6%; Score 732; DB 11; Length 255;
Best Local Similarity 56.0%; Pred. No. 7.5e-53;
Matches 144; Conservative 34; Mismatches 71; Indels 8; Gaps 4;

Qy 1 MDRWLWLYFLPVSGALRLPEVKVEGELGSGVTIKCPLPEMHVRIYLCREMAGSGTGT 60
Db 1 MDRWLWLYFLPVSGALRLPEVKVEGELGSGVTIKCPLPEMHVRIYLCREMAGSGTGT 60
Qy 61 VYSTINFIAEYKGRVITLKOYPRKKNLFLVEVTQLTESDSGVYACGAGNNTDRGKTQKVL 120
Db 61 VYSNT-FVKKEYERRVTLTPCLDKKLFVEMTQLTENDDGIYACGVGKTKDKGKTQKIL 119
Qy 121 NVHSEY-EPSWEEQMPETPKFHLPLYLFQMP-----AYASSKFTVTRVTPAQRGVPP 174
Db 120 NVHSEYEPFWEDETSERPKLHFLQHPWLHGSRPSSSGVIKAVTTTPASKIEAPP 179
Qy 175 VHHSSPTQIITHPRVSRVSSVAGDKPTFLPSTTASKISALEGILAKPTQPSYNNHHTLH 234
Db 180 VHQPSSITSVTHQHPYRAFVSATKSPALLPATTTASKTSTQQA-IRPLEASYSHTLRLH 238
Qy 235 RORALDYGSGSGREGQ 251
Db 239 EQTRHHGPHYGREDRG 255
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RESULT 3
US-09-135-238B-3
; Sequence 3, Application US/09135238B
; Patent No. US20020177565A1
; GENERAL INFORMATION:
; APPLICANT: No. US20020177565Alan, Garry P.
; APPLICANT: Hitoshi, Yasumichi
; TITLE OF INVENTION: TOSO
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; FILE REFERENCE: A65635-1/DJB/RMS
; CURRENT APPLICATION NUMBER: US/09/135,238B
; CURRENT FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 60/066,063
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 84
; TYPE: PR1
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (13)..(16)
; OTHER INFORMATION: The xaa at positions 13 through 16 represents an
; OTHER INFORMATION: unknown amino acid.
; NAME/KEY: UNSURE
; LOCATION: (44)..(48)
; OTHER INFORMATION: The xaa at positions 44 through 48 represents an
; OTHER INFORMATION: unknown amino acid.
; NAME/KEY: UNSURE
; LOCATION: (61)..(62)
; OTHER INFORMATION: The xaa at positions 61 and 62 represents an
; OTHER INFORMATION: unknown amino acid.
; US-09-135-238B-3

Query Match 16.1%; Score 331.5; DB 10; Length 84;
Best Local Similarity 82.1%; Pred. No. 3.1e-20;
Matches 69; Conservative 2; Mismatches 2; Indels 11; Gaps 3;
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Qy 33 VTIKCPLEPMHV---RIVLCREMAGSGTGTGVSTNTNFKAE----YKGRVTLKOYPR 83
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Qy 84 --KNLFLVEVTQLTESDSGVYACG 105
Db 61 XXKNFLVEVT2LTESDSGVYACG 84
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RESULT 4
US-09-135-238B-12
; Sequence 12, Application US/09135238B
; Patent No. US20020177565A1
; GENERAL INFORMATION:
; APPLICANT: No. US20020177565Alan, Garry P.
; APPLICANT: Hitoshi, Yasumichi
; TITLE OF INVENTION: TOSO
; FILE REFERENCE: A65635-1/DJB/RMS
; CURRENT APPLICATION NUMBER: US/09/135,238B
; CURRENT FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 60/066,063
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 43
; TYPE: PR1
; ORGANISM: Homo sapiens
; US-09-135-238B-12
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Best Local Similarity 100.0%; Pred. No. 2e-12;
Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 QRPGRSPRPRSQNNIYSACPRRARGADAAGTGEAPVPGGAPL 43
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RESULT 5
US-09-982-107-8
; Sequence 8, Application US/09982107
; Patent No. US20020159958A1
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; GENERAL INFORMATION:
; APPLICANT: HIAIT, ANDREW C.
; APPLICANT: HEIN, MICH B.
; TITLE OF INVENTION: METHODS FOR PRODUCING IMMUNOGLOBULINS CONTAINING
; TITLE OF INVENTION: PROTECTION PROTEINS IN PLANTS AND THEIR USE
; FILE REFERENCE: EPI3002E
; CURRENT APPLICATION NUMBER: US/09/982.107
; CURRENT FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-982-107-8

Query Match          9.6%  Score 198;  DB 10;  Length 771;
Best Local Similarity 31.5%  Pred. No. 6.9e-08;
Matches 53;  Conservative 23;  Mismatches 68;  Indels 24;  Gaps 5;

QY 10 FLPVSGALRILPEVKVEGELGSGVTIKCPLE-----MHVRIYLCREMAGSGTCGTVVSIT 65
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Db 13 FSGVSTKSPFPGQEVSSIEGDSVSITCYYPDTSVNRHTRKYWCROGA-SGMCTTILSSN 71
   :| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 66 NFIAEYKGRVTLKQYPRKNLFLVEVTQLTESDSCVYACGAGMNTDRGKTOKVTLNVHSE 125
   :| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 72 GYLSKEYSGRANLINFENNFTVINIEQLTQDDTGSYKCGLG-TSNRGLSPDVSLEV--- 127
   :| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 126 YEPSWEEQPMPTKWFHLPYLFOMPAYASSKSFVTRVTTPAQRGKVP 173
   :| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 128 -----SQVPELPDTHV-----YTKDIGNRVNTEICPFKRENVP 160
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RESULT 6
US-09-949-039-68
; Sequence 68, Application US/09949039
; Publication No. US20030166160A1
; GENERAL INFORMATION:
; APPLICANT: HAWLEY, STEPHEN B.
; TITLE OF INVENTION: COMPOUNDS AND MOLECULAR COMPLEXES COMPRISING MULTIPLE
; TITLE OF INVENTION: BINDING REGIONS DIRECTED TO TRANSCYTOTIC LIGANDS
; FILE REFERENCE: 057220/1301
; CURRENT APPLICATION NUMBER: US/09/949.039
; CURRENT FILING DATE: 2001-09-06
; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 68
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-949-039-68

Query Match          9.6%  Score 198;  DB 12;  Length 771;
Best Local Similarity 31.5%  Pred. No. 6.9e-08;
Matches 53;  Conservative 23;  Mismatches 68;  Indels 24;  Gaps 5;

QY 10 FLPVSGALRILPEVKVEGELGSGVTIKCPLE-----MHVRIYLCREMAGSGTCGTVVSIT 65
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QY 65 NFIAEYKGRVTLKQYPRKNLFLVEVTQLTESDSCVYACGAGMNTDRGKTOKVTLNVHSE 125
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Db 72 GYLSKEYSGRANLINFENNFTVINIEQLTQDDTGSYKCGLG-TSNRGLSPDVSLEV--- 127
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RESULT 7
US-09-818-247-4
; Sequence 4, Application US/09818247
; Patent No. US20020102657A1
; GENERAL INFORMATION:
; APPLICANT: Mostov, Keith E.
; APPLICANT: Chapin, Steven J.
; APPLICANT: Richman-Eisenstat, Janice
; TITLE OF INVENTION: Ligands Directed to the No. US20020102657A1-Secretory Compoener
; TITLE OF INVENTION: Ligands Directed to the No. US20020102657A1-Stalk Region of p1gR and Methods of Use 1
; FILE REFERENCE: 18062E-0009100S
; CURRENT APPLICATION NUMBER: US/09/818.247
; CURRENT FILING DATE: 2001-03-26
; PRIOR FILING DATE: 2001-03-26
; PRIOR FILING DATE: 2001-03-26
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-03-27
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat polymeric immunoglobulin receptor (p1gR)
US-09-818-247-3

Query Match          9.5%  Score 195;  DB 10;  Length 771;
Best Local Similarity 34.5%  Pred. No. 1.2e-07;
Matches 48;  Conservative 21;  Mismatches 54;  Indels 16;  Gaps 4;

QY 10 FLPVSGALRILPEVKVEGELGSGVTIKCPLE-----MHVRIYLCREMAGSGTCGTVVSIT 65
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   : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 66 NFIAEYKGRVTLKQYPRKNLFLVEVTQLTESDSCVYACGAGMNTDRGKTOKVTLNVHSE 125
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Db 72 GYLSKEYSGRANLINFENNFTVINIEQLTQDDTGSYKCGLG-TSNRGLSPDVSLEV--- 127
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QY 126 YEPSWEEQPMPTKWFHLP 144
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Db 128 -----SQVPELPDTHV 139
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RESULT 8
US-09-818-247-3
; Sequence 3, Application US/09818247
; Patent No. US20020102657A1
; GENERAL INFORMATION:
; APPLICANT: Mostov, Keith E.
; APPLICANT: Chapin, Steven J.
; APPLICANT: Richman-Eisenstat, Janice
; TITLE OF INVENTION: Ligands Directed to the No. US20020102657A1-Secretory Compoener
; TITLE OF INVENTION: Ligands Directed to the No. US20020102657A1-Stalk Region of p1gR and Methods of Use 1
; FILE REFERENCE: 18062E-0009100S
; CURRENT APPLICATION NUMBER: US/09/818.247
; CURRENT FILING DATE: 2001-03-26
; PRIOR FILING DATE: 2001-03-26
; PRIOR FILING DATE: 2001-03-26
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-03-27
; PRIOR FILING DATE: 2000-03-27
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat polymeric immunoglobulin receptor (p1gR)
US-09-818-247-3
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Query Match          9.08; Score 185; DB 12; Length 769;
Best Local Similarity 34.5%; Pred. NO. 8.3e-07;
Matches 41; Conservative 21; Mismatches 41; Indels 16; Gaps 4;

QY 30 GGSVITKCPPE---MHVRIYLCLREMGAGSGTGTVSTTFNFKAEYGRVTLKQYPRKN 85
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DB 33 GNSVSICTCYPDTSVNRHRTKRYWCROGA-NGVCATLISNGVLKEYSGRASLINFNPNS 91
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PRIOR APPLICATION DATA: 09/095,385  
APPLICATION NUMBER: 09/095,385  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Canady, Karen S  
REGISTRATION NUMBER: 39,927  
REFERENCE/DOCKET NUMBER: 30435.45USU1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 310 445-1140

Search completed: September 14, 2003, 04:26:28  
Job time : 29 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: September 14, 2003, 04:19:31 : Search time 148 Seconds  
(without alignments)  
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Title: US-09-651-150B-2

Perfect score: 2055

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Listing first 45 summaries

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  - 32: /cgn2\_6/ptodata/2/paa/US60\_COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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Sequence 2, Appli				

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3	2047	99.6	390	1	PCT-US03-02353-6	Sequence 6, Appli
4	2047	99.6	390	20	US-09-606-827-2	Sequence 2, Appli
5	2047	99.6	390	22	US-09-791-537-147671	Sequence 147671,
6	2047	99.6	390	26	US-10-036-657-20	Sequence 20, Appl
7	2047	99.6	390	32	US-60-443-566-3396	Sequence 3396, Ap
8	2047	99.6	390	32	US-60-452-680-19862	Sequence 19862, A
9	2047	99.6	390	32	US-60-455-444-6231	Sequence 6231, Ap
10	2047	99.6	390	32	US-60-465-241-6231	Sequence 6251, Ap
11	1258	61.2	237	21	US-09-724-676A-55585	Sequence 55585, A
12	1258	61.2	237	21	US-09-724-676A-55585	Sequence 55585, A
13	732	35.6	255	23	US-09-866-050A-683	Sequence 683, App
14	564	27.4	134	22	US-09-758-471-4928	Sequence 4928, Ap
15	564	27.4	134	28	US-10-235-953-4928	Sequence 4928, Ap
16	550	26.8	107	20	US-09-606-827-4	Sequence 4, Appli
17	410	20.0	97	18	US-09-471-276-1562	Sequence 1562, Ap
18	405	19.7	77	32	US-60-160-203-3913	Sequence 3913, Ap
19	405	19.7	77	32	US-60-160-209-2816	Sequence 2816, Ap
20	380	18.5	73	20	US-09-651-150B-3	Sequence 3, Appli
21	337	16.4	66	14	US-09-057-719-879	Sequence 879, App
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23	233	11.3	43	15	US-09-135-238B-12	Sequence 12, Appl
24	233	11.3	43	20	US-09-651-150B-12	Sequence 12, Appl
25	198	9.6	771	21	US-09-717-888-8	Sequence 8, Appli
26	198	9.6	771	22	US-09-791-537-16417	Sequence 16417, A
27	198	9.6	771	24	US-09-949-039-68	Sequence 68, Appl
28	198	9.6	771	25	US-09-982-107-8	Sequence 8, Appli
29	195	9.5	771	22	US-09-791-537-71418	Sequence 71418, A
30	185	9.5	771	23	US-09-818-247-4	Sequence 4, Appli
31	185	9.0	578	30	US-10-450-186-27	Sequence 27, Appl
32	185	9.0	769	21	US-09-717-888-10	Sequence 10, Appl
33	185	9.0	769	23	US-09-818-247-3	Sequence 3, Appli
34	185	9.0	769	24	US-09-949-039-69	Sequence 69, Appl
35	185	9.0	769	25	US-09-982-107-10	Sequence 10, Appl
36	184	9.0	758	22	US-09-791-537-137299	Sequence 137299,
37	184	9.0	758	24	US-09-949-039-66	Sequence 66, Appl
38	183.5	8.9	544	32	US-60-443-566-2806	Sequence 2806, Ap
39	183.5	8.9	544	32	US-60-452-680-14220	Sequence 14220, A
40	182	8.9	194	28	US-09-760-479-663	Sequence 663, App
41	182	8.9	194	28	US-10-206-008-663	Sequence 663, App
42	182	8.9	607	16	US-09-275-667-8	Sequence 8, Appli
43	182	8.9	608	25	US-09-950-294-4	Sequence 4, Appli
44	182	8.9	746	21	US-09-717-888-4	Sequence 4, Appli
45	182	8.9	746	25	US-09-982-107-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1  
US-09-135-238B-2  
; Sequence 2, Application US/09135238B  
; GENERAL INFORMATION:  
; APPLICANT: Nolan, Garry P.  
; APPLICANT: Hitoshi, Yasumichi  
; TITLE OF INVENTION: TOSO  
; FILE REFERENCE: A65635-1/OJB/RMS  
; CURRENT APPLICATION NUMBER: US/09/135,238B  
; CURRENT FILING DATE: 1998-08-17  
; PRIOR APPLICATION NUMBER: 60/066,063  
; PRIOR FILING DATE: 1997-11-17  
; NUMBER OF SEQ ID NOS: 31  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 390  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-135-238B-2

Query Match 100.0%; Score 2055; DB 15; Length 390;  
Best Local Similarity 100.0%; Pred. No. 2,4e-161;  
Matches 390; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTQKVTL 120
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RESULT 2
US-09-651-150B-2
; Sequence 2, Application US/09651150B
; GENERAL INFORMATION:
; APPLICANT: Payan, Donald
; TITLE OF INVENTION: TOSO AS A TARGET FOR DRUG SCREENING
; CURRENT APPLICATION NUMBER: US/09/651,150B
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: US 09/050,861
; PRIOR FILING DATE: 1998-03-30
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 390
; TYPE: PRI
; ORGANISM: Homo sapiens
US-09-651-150B-2

Query Match 100.0%; Score 2055; DB 20; Length 390;
Best Local Similarity 100.0%; Pred. No. 2.4e-161;
Matches 390; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MDRWLPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
QY 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTQKVTL 120
DB 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTQKVTL 120
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DB 121 NVHSEYEPSWEEQMPETPKWFHLPYLFOFPAYASSSKFVTRVTTPAQRGKVPVHHSSP 180
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DB 181 TTQIITHRPRVSRASSVAGDKPRTFLPSTTASIKSALEGLLKQPOTPSYNHHTRLHRQALD 240
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QY 301 RPRGSPRPRSONNIYSACPRRARGADAAGTGEAPVPGGAPLPAPLOVSESPWLHAPSL 360
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DB 301 RPRGSPRPRSONNIYSACPRRARGADAAGTGEAPVPGGAPLPAPLOVSESPWLHAPSL 360
QY 361 KTSCEYVSLYHQPAAAMEDSDSDDYINVPA 390
DB 361 KTSCEYVSLYHQPAAAMEDSDSDDYINVPA 390

RESULT 3
PCT-US03-02353-6
; Sequence 6, Application PC/TUS0302353
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Clapper, Jonathan David
; APPLICANT: Wang, Aijun
; APPLICANT: Ordóñez, Nadia
; APPLICANT: Carter, Lauren
; APPLICANT: McNeill, Patricia Dianne
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis
; TITLE OF INVENTION: and Therapy of Hematological Malignancies
; FILE REFERENCE: 014058-014402PC
; CURRENT APPLICATION NUMBER: PCT/US03/02353
; CURRENT FILING DATE: 2003-01-22
; PRIOR APPLICATION NUMBER: US 10/057,475
; PRIOR FILING DATE: 2002-01-22
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 390
; TYPE: PRI
; ORGANISM: Homo sapiens
PCT-US03-02353-6

Query Match 99.6%; Score 2047; DB 1; Length 390;
Best Local Similarity 99.7%; Pred. No. 1.1e-160;
Matches 389; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MDRWLPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
DB 1 MDRWLPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
QY 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTQKVTL 120
DB 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTQKVTL 120
QY 121 NVHSEYEPSWEEQMPETPKWFHLPYLFOFPAYASSSKFVTRVTTPAQRGKVPVHHSSP 180
DB 121 NVHSEYEPSWEEQMPETPKWFHLPYLFOFPAYASSSKFVTRVTTPAQRGKVPVHHSSP 180
QY 181 TTQIITHRPRVSRASSVAGDKPRTFLPSTTASIKSALEGLLKQPOTPSYNHHTRLHRQALD 240
DB 181 TTQIITHRPRVSRASSVAGDKPRTFLPSTTASIKSALEGLLKQPOTPSYNHHTRLHRQALD 240
QY 241 YGSQSGREGOGFHILPTILGLFLALLGLVVKRAVERRKALSRARRLAVRMRALESSQ 300
DB 241 YGSQSGREGOGFHILPTILGLFLALLGLVVKRAVERRKALSRARRLAVRMRALESSQ 300
QY 301 RPRGSPRPRSONNIYSACPRRARGADAAGTGEAPVPGGAPLPAPLOVSESPWLHAPSL 360
DB 301 RPRGSPRPRSONNIYSACPRRARGADAAGTGEAPVPGGAPLPAPLOVSESPWLHAPSL 360
QY 361 KTSCEYVSLYHQPAAAMEDSDSDDYINVPA 390
DB 361 KTSCEYVSLYHQPAAAMEDSDSDDYINVPA 390

RESULT 4
US-09-606-827-2
; Sequence 2, Application US/09606827
; GENERAL INFORMATION:
```

```
; APPLICANT: WU, SHUJIAN
; APPLICANT: SWEET, RAYMOND
; APPLICANT: TRUNEH, ALEMGEGED
; TITLE OF INVENTION: PIGRL-1, A MEMBER OF IMMUNOGLOBULIN GENE
; FILE REFERENCE: GH-70236-D1
; CURRENT FILING DATE: 1997-08-25
; CURRENT FILING DATE: 1997-10-30
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 390
; TYPE: PRT
; ORGANISM: HOMO SAPIENS
US-09-606-827-2

Query Match          99.6%; Score 2047; DB 20; Length 390;
Best Local Similarity 99.7%; Pred. No. 1.le-160;
Matches 389; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MDRWLWPLYFLPVSGALRILPEVKVEGELGSGVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
DB 1 MDFWLWPLYFLPVSGALRILPEVKVEGELGSGVTIKCPLPEMHVRIYLCREMAGSGTCGT 60

QY 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDGVYACGAGMNTDRGKTQKVL 120
DB 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDGVYACGAGMNTDRGKTQKVL 120

QY 121 NVHSEYEPSWEEOPMETPKWFHLYLFQMPAYASSSKFVTRVTPAQRGKVPVHHSSP 180
DB 121 NVHSEYEPSWEEOPMETPKWFHLYLFQMPAYASSSKFVTRVTPAQRGKVPVHHSSP 180

QY 181 TQITHRPRVSRASSVAGDKPRTFLPSTTASIKSALEGLLKPTQPSYNNHTRLHRQALD 240
DB 181 TQITHRPRVSRASSVAGDKPRTFLPSTTASIKSALEGLLKPTQPSYNNHTRLHRQALD 240

QY 241 YGSOSGREGOGFHILPTILGLFLLALLGLVVKRAVERKALSRARRLAVRRALESSQ 300
DB 241 YGSOSGREGOGFHILPTILGLFLLALLGLVVKRAVERKALSRARRLAVRRALESSQ 300

QY 301 RPRGSPRPRSONNIYSACPRRARGADAAGTGEAPVPGAPLPAPLOVSESPLHAPSLS 360
DB 301 RPRGSPRPRSONNIYSACPRRARGADAAGTGEAPVPGAPLPAPLOVSESPLHAPSLS 360

QY 361 KTSCEYVSLYHQPAAEMEDSDSDDYINVPA 390
DB 361 KTSCEYVSLYHQPAAEMEDSDSDDYINVPA 390

RESULT 5
US-10-036-657-20
; Sequence 20, Application US/10036657
; GENERAL INFORMATION:
; APPLICANT: Earl Francis Albone, et al.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES
; FILE REFERENCE: GP-70778B-C1
; CURRENT APPLICATION NUMBER: US/10/036.657
; CURRENT FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 20
; LENGTH: 390
; TYPE: PRT
; ORGANISM: HOMO SAPIENS
US-10-036-657-20

Query Match          99.6%; Score 2047; DB 26; Length 390;
Best Local Similarity 99.7%; Pred. No. 1.le-160;
Matches 389; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MDRWLWPLYFLPVSGALRILPEVKVEGELGSGVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
DB 1 MDFWLWPLYFLPVSGALRILPEVKVEGELGSGVTIKCPLPEMHVRIYLCREMAGSGTCGT 60

QY 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDGVYACGAGMNTDRGKTQKVL 120
DB 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDGVYACGAGMNTDRGKTQKVL 120

QY 121 NVHSEYEPSWEEOPMETPKWFHLYLFQMPAYASSSKFVTRVTPAQRGKVPVHHSSP 180
DB 121 NVHSEYEPSWEEOPMETPKWFHLYLFQMPAYASSSKFVTRVTPAQRGKVPVHHSSP 180

QY 181 TQITHRPRVSRASSVAGDKPRTFLPSTTASIKSALEGLLKPTQPSYNNHTRLHRQALD 240
DB 181 TQITHRPRVSRASSVAGDKPRTFLPSTTASIKSALEGLLKPTQPSYNNHTRLHRQALD 240

QY 241 YGSOSGREGOGFHILPTILGLFLLALLGLVVKRAVERKALSRARRLAVRRALESSQ 300
DB 241 YGSOSGREGOGFHILPTILGLFLLALLGLVVKRAVERKALSRARRLAVRRALESSQ 300

US-09-791-537-147671
; Sequence 147671, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBE
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 147671
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-537-147671
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QY 301 RRGSPRRPSQNNIYSACPRRARGADAAAGTGEAPVPGCAPLPAPLOVSESPLHAPSJ 360
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 301 RRGSPRRPSQNNIYSACPRRARGADAAAGTGEAPVPGCAPLPAPLOVSESPLHAPSJ 360
QY 361 KTSCEVVSLYHOPAAAMMEDSDDDYINVPA 390
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 361 KTSCEVVSLYHOPAAAMMEDSDDDYINVPA 390

RESULT 7
US-60-443-566-3396
; Sequence 3396, Application US/60443566
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001447
; CURRENT APPLICATION NUMBER: US/60/443,566
; CURRENT FILING DATE: 2003-01-30
; NUMBER OF SEQ ID NOS: 25102
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 3396
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-443-566-3396

Query Match 99.6%; Score 2047; DB 32; Length 390;
Best Local Similarity 99.7%; Pred. No. 1,1e-160;
Matches 389; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MDRWLWPLFLPVSAGALRILPEVKYVEGELGGSVTIKCLPENMHVRIYLCREMGSGTGT 60
    || ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1 MDRWLWPLFLPVSAGALRILPEVKYVEGELGGSVTIKCLPENMHVRIYLCREMGSGTGT 60
QY 61 VVSTTFIKAEYKGRVYLKQYPRKMLFLVEVTQLTESDGVYACGAGMNTDRGKTQKVIL 120
    || ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 61 VVSTTFIKAEYKGRVYLKQYPRKMLFLVEVTQLTESDGVYACGAGMNTDRGKTQKVIL 120
QY 121 NVHSEYEPSEQOMPETPKWFLPVLFOMPAYASSSKFVTRVTTPAORGKVPVHHSSP 160
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 121 NVHSEYEPSEQOMPETPKWFLPVLFOMPAYASSSKFVTRVTTPAORGKVPVHHSSP 160
QY 181 TQOITHRPVSRASSVAGDKPRTFLPSTTASKISALEGLLKPKQTPSYNNHTLHRQRAID 240
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 181 TQOITHRPVSRASSVAGDKPRTFLPSTTASKISALEGLLKPKQTPSYNNHTLHRQRAID 240
QY 241 YGSQSREGQGFHILPTTLGLFLALGLLVKRAVERKALSRKARLAVRMRALESQ 300
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 241 YGSQSREGQGFHILPTTLGLFLALGLLVKRAVERKALSRKARLAVRMRALESQ 300
QY 301 RRGSPRRPSQNNIYSACPRRARGADAAAGTGEAPVPGCAPLPAPLOVSESPLHAPSJ 360
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 301 RRGSPRRPSQNNIYSACPRRARGADAAAGTGEAPVPGCAPLPAPLOVSESPLHAPSJ 360
QY 361 KTSCEVVSLYHOPAAAMMEDSDDDYINVPA 390
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 361 KTSCEVVSLYHOPAAAMMEDSDDDYINVPA 390

RESULT 8
US-60-452-680-19862
; Sequence 19862, Application US/60452680
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001450
; CURRENT APPLICATION NUMBER: US/60/452,680
; CURRENT FILING DATE: 2003-03-07

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121 NVHSEYPSWEQMPETPKWFHLYLFQMPAYASSSKFVTRVTTPAQRGKVPVHHSSP 180
QY 181 TTQTHPRVSRASSVAGDKPRTLPSTTASIKSALEGLLKQPTPSYNHHTRLHRQALD 240
Db 181 TTQTHPRVSRASSVAGDKPRTLPSTTASIKSALEGLLKQPTPSYNHHTRLHRQALD 240
QY 241 YGSOSGREGQGFHILPTILGLFLALLGLVVKRAVERRKALSRARLAVRMALESSQ 300
Db 241 YGSOSGREGQGFHILPTILGLFLALLGLVVKRAVERRKALSRARLAVRMALESSQ 300
QY 301 RPRGSPRPRSONNIYSACPRRARGADAAGTGEAPVPGCAPLPAPLQVSPWHLHAPSL 360
Db 301 RPRGSPRPRSONNIYSACPRRARGADAAGTGEAPVPGCAPLPAPLQVSPWHLHAPSL 360
QY 361 KTSCEYVSLYHQPAAMMEDSDDDYINVPA 390
Db 361 KTSCEYVSLYHQPAAMMEDSDDDYINVPA 390

RESULT 10
US-60-465-241-6251
: Sequence 6251, Application US/60465241
: GENERAL INFORMATION:
: APPLICANT: CARGILL, Michele
: APPLICANT: BEGOVICH, Ann
: TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
: TITLE OF INVENTION: RHEUMATOID ARTHRITIS, METHODS OF DETECTION AND USES THEREOF
: FILE REFERENCE: CL001468
: CURRENT APPLICATION NUMBER: US/60/465,241
: CURRENT FILING DATE: 2003-04-23
: NUMBER OF SEQ ID NOS: 258418
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 6251
: LENGTH: 390
: TYPE: PR1
: ORGANISM: Homo sapiens
US-60-465-241-6251
Query Match 99.6%, Score 2047, DB 32, Length 390;
Best Local Similarity 99.7%, Pred. No. 1.1e-160;
Matches 389, Conservative 0, Mismatches 1, Indels 0, Gaps 0;

QY 1 MDRWLWPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
Db 1 MDFWLWPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
QY 61 VVSTTNFKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTOKVTL 120
Db 61 VVSTTNFKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTOKVTL 120
QY 121 NVHSEYPSWEQMPETPKWFHLYLFQMPAYASSSKFVTRVTTPAQRGKVPVHHSSP 180
Db 121 NVHSEYPSWEQMPETPKWFHLYLFQMPAYASSSKFVTRVTTPAQRGKVPVHHSSP 180
QY 181 TTQTHPRVSRASSVAGDKPRTLPSTTASIKSALEGLLKQPTPSYNHHTRLHRQALD 240
Db 181 TTQTHPRVSRASSVAGDKPRTLPSTTASIKSALEGLLKQPTPSYNHHTRLHRQALD 240
QY 241 YGSOSGREGQGFHILPTILGLFLALLGLVVKRAVERRKALSRARLAVRMALESSQ 300
Db 241 YGSOSGREGQGFHILPTILGLFLALLGLVVKRAVERRKALSRARLAVRMALESSQ 300
QY 301 RPRGSPRPRSONNIYSACPRRARGADAAGTGEAPVPGCAPLPAPLQVSPWHLHAPSL 360
Db 301 RPRGSPRPRSONNIYSACPRRARGADAAGTGEAPVPGCAPLPAPLQVSPWHLHAPSL 360
QY 361 KTSCEYVSLYHQPAAMMEDSDDDYINVPA 390
Db 361 KTSCEYVSLYHQPAAMMEDSDDDYINVPA 390
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RESULT 11

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US-09-724-676-55585
: Sequence 5585, Application US/09724676
: GENERAL INFORMATION:
: APPLICANT: Comugen LTD
: TITLE OF INVENTION: Variants of alternative splicing
: FILE REFERENCE: 129181.4 Comugen
: CURRENT APPLICATION NUMBER: US/09/724,676
: CURRENT FILING DATE: 2000-11-28
: NUMBER OF SEQ ID NOS: 97222
: SOFTWARE: PatentIn version 3.2
: SEQ ID NO 55585
: LENGTH: 237
: TYPE: PR1
: ORGANISM: Homo sapiens
US-09-724-676-55585
Query Match 61.2%, Score 1258, DB 21, Length 237;
Best Local Similarity 99.6%, Pred. No. 1.7e-95;
Matches 236, Conservative 0, Mismatches 1, Indels 0, Gaps 0;

QY 1 MDRWLWPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
Db 1 MDFWLWPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
QY 61 VVSTTNFKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTOKVTL 120
Db 61 VVSTTNFKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTOKVTL 120
QY 121 NVHSEYPSWEQMPETPKWFHLYLFQMPAYASSSKFVTRVTTPAQRGKVPVHHSSP 180
Db 121 NVHSEYPSWEQMPETPKWFHLYLFQMPAYASSSKFVTRVTTPAQRGKVPVHHSSP 180
QY 181 TTQTHPRVSRASSVAGDKPRTLPSTTASIKSALEGLLKQPTPSYNHHTRLHRQ 237
Db 181 TTQTHPRVSRASSVAGDKPRTLPSTTASIKSALEGLLKQPTPSYNHHTRLHRQ 237

RESULT 12
US-09-724-676A-55585
: Sequence 5585, Application US/09724676A
: GENERAL INFORMATION:
: APPLICANT: Comugen LTD
: TITLE OF INVENTION: Variants of alternative splicing
: FILE REFERENCE: 129181.4 Comugen
: CURRENT APPLICATION NUMBER: US/09/724,676A
: CURRENT FILING DATE: 2000-11-28
: NUMBER OF SEQ ID NOS: 97222
: SOFTWARE: PatentIn version 3.2
: SEQ ID NO 55585
: LENGTH: 237
: TYPE: PR1
: ORGANISM: Homo sapiens
US-09-724-676A-55585
Query Match 61.2%, Score 1258, DB 21, Length 237;
Best Local Similarity 99.6%, Pred. No. 1.7e-95;
Matches 236, Conservative 0, Mismatches 1, Indels 0, Gaps 0;

QY 1 MDRWLWPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
Db 1 MDFWLWPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT 60
QY 61 VVSTTNFKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTOKVTL 120
Db 61 VVSTTNFKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTOKVTL 120
QY 121 NVHSEYPSWEQMPETPKWFHLYLFQMPAYASSSKFVTRVTTPAQRGKVPVHHSSP 180
Db 121 NVHSEYPSWEQMPETPKWFHLYLFQMPAYASSSKFVTRVTTPAQRGKVPVHHSSP 180
QY 181 TTQTHPRVSRASSVAGDKPRTLPSTTASIKSALEGLLKQPTPSYNHHTRLHRQ 237
Db 181 TTQTHPRVSRASSVAGDKPRTLPSTTASIKSALEGLLKQPTPSYNHHTRLHRQ 237
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; NAME/KEY: SITE
; LOCATION: (117)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (133)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-758-471-4928

Query Match      27.4%; Score 564; DB 22; Length 134;
Best Local Similarity 49.1%; Pred. No. 3.2e-38;
Matches 115; Conservative 1; Mismatches 6; Indels 112; Gaps 1;

QY 1 MDRLWPLFLPVS GALRILPEVKVEGELGSGSVTIKCP:PEMHVRIYLCREWAGSGTCGT 60
   || |||||
DB 13 MDFWLWPLYFLP----- 24
QY 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNDRGKTQKVTL 120
DB 25 ----- 24
QY 121 NVHSEYEPSWESQPMETPKWFHLPYLFQMPAYASSSKFVTRVTPAORGKVPVHHSSP 180
   |||||
DB 25 -----EYEPSWESQPMETPKWFHLPYLFQMPAYASSSKFVTRVTPAORGKVPVHHSSP 80
QY 181 TQITHRPRVSRASSVAGDKPRTFLPSTASKISALEGLKPKQTPSYNNHTLH 234
   |||||
DB 81 TQITHRPRVSRASSVAGDKPRTFLPSTASKISALEGLKPKQTPSYNNHTLH 134

RESULT 15
US-10-235-953-4928
; Sequence 4928, Application US/10235953
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PH002CIN
; CURRENT APPLICATION NUMBER: US/10/235,953
; PRIOR FILING DATE: 2002-09-12
; PRIOR APPLICATION NUMBER: 09/758,471
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4928
; LENGTH: 134
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (79)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (117)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (133)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-235-953-4928

Query Match      27.4%; Score 564; DB 28; Length 134;
Best Local Similarity 49.1%; Pred. No. 3.2e-38;
Matches 115; Conservative 1; Mismatches 6; Indels 112; Gaps 1;

QY 1 MDRLWPLFLPVS GALRILPEVKVEGELGSGSVTIKCP:PEMHVRIYLCREWAGSGTCGT 60
   || |||||
DB 13 MDFWLWPLYFLP----- 24
QY 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNDRGKTQKVTL 120
   || |||||
DB 13 MDFWLWPLYFLP----- 24
QY 121 NVHSEYEPSWESQPMETPKWFHLPYLFQMPAYASSSKFVTRVTPAORGKVPVHHSSP 180
   |||||
DB 25 -----EYEPSWESQPMETPKWFHLPYLFQMPAYASSSKFVTRVTPAORGKVPVHHSSP 80
QY 181 TQITHRPRVSRASSVAGDKPRTFLPSTASKISALEGLKPKQTPSYNNHTLH 234
   |||||
DB 81 TQITHRPRVSRASSVAGDKPRTFLPSTASKISALEGLKPKQTPSYNNHTLH 134

RESULT 14
US-09-758-471-4928
; Sequence 4928, Application US/09758471
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PH002
; CURRENT APPLICATION NUMBER: US/09/758,471
; CURRENT FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; NUMBER OF SEQ ID NOS: 5386
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4928
; LENGTH: 134
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (79)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (117)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (133)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-758-471-4928

Query Match      35.6%; Score 732; DB 23; Length 255;
Best Local Similarity 56.0%; Pred. No. 8.8e-52;
Matches 144; Conservative 34; Mismatches 71; Indels 8; Gaps 4;

QY 1 MDRLWPLFLPVS GALRILPEVKVEGELGSGSVTIKCP:PEMHVRIYLCREWAGSGTCGT 60
   |||||
DB 1 MDRLWPLFLPVS GALRILPEVKVEGELGSGSVTIKCP:PEMHVRIYLCREWAGSGTCGT 60
QY 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNDRGKTQKVTL 120
   |||||
DB 61 VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNDRGKTQKVTL 119
QY 121 NVHSEYEPSWESQPMETPKWFHLPYLFQMPAYASSSKFVTRVTPAORGKVPV 174
   |||||
DB 120 NVHSEYEPSWESQPMETPKWFHLPYLFQMPAYASSSKFVTRVTPAORGKVPV 179
QY 175 VHHSSPTQITHRPRVSRASSVAGDKPRTFLPSTASKISALEGLKPKQTPSYNNHTLH 234
   |||||
DB 180 VHHSSPTQITHRPRVSRASSVAGDKPRTFLPSTASKISALEGLKPKQTPSYNNHTLH 238
QY 235 QRALDYGSQSGREGQG 251
   |||||
DB 239 EQTRHHGPHYGREDRG 255

RESULT 13
US-09-866-050A-683
; Sequence 683, Application US/09866050A
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; FILE REFERENCE: 11000.1011c4u
; CURRENT APPLICATION NUMBER: US/09/866,050A
; CURRENT FILING DATE: 2001-05-24
; NUMBER OF SEQ ID NOS: 725
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 683
; LENGTH: 255
; TYPE: PRT
; ORGANISM: Mouse
; NAME/KEY: SITE
US-09-866-050A-683
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Db	25	-----	24
Qy	121	NVHSEYPSWEEQPMPEPKWFHLPYLFQMPAYASSKFEVTRVTTPAORGKVPVHSSP	180
Db	25	-----	80
Qy	181	TTQITHRPRVSRASSVAGDKPRTFLPSTASKISALEGLLKQTPSYNHHTRLH	234
Db	81	TTQITHRPRVSRASSVAGDKPRTFLPSTASKISALXGLLKQTPSYNQOTKXH	134

Search completed: September 14, 2003, 04:25:22  
Job time : 150 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: September 14, 2003, 04:20:51 : Search time 11 Seconds  
(without alignments)  
742.169 Million cell updates/sec

Title: US-09-651-150B-2  
Perfect score: 2055  
Sequence: 1 MDRHWLWFLVPLVSGALRIL.....HQPAAWMEDESDSDYINVPA 390

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 93872 seqs, 20932968 residues

Total number of hits satisfying chosen parameters: 93872

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Pending\_Patents\_NA\_New:\*  
1: /cgn2.6/ptodata/2/paa/PCT\_NEW\_COMB.pep.\*  
2: /cgn2.5/ptodata/2/paa/US05\_NEW\_COMB.pep.\*  
3: /cgn2.5/ptodata/2/paa/US07\_NEW\_COMB.pep.\*  
4: /cgn2.6/ptodata/2/paa/US08\_NEW\_COMB.pep.\*  
5: /cgn2.6/ptodata/2/paa/US09\_NEW\_COMB.pep.\*  
6: /cgn2.6/ptodata/2/paa/US10\_NEW\_COMB.pep.\*  
7: /cgn2.6/ptodata/2/paa/US60\_NEW\_COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	126	6.1	359	1	PCT-US02-29560A-239 Sequence 239, App
2	122.5	6.0	474	1	PCT-US02-26584-3 Sequence 3, Appl
3	118	5.7	820	7	US-60-490-890-2601 Sequence 2601, Ap
4	117	5.7	1106	7	US-60-490-890-632 Sequence 632, App
5	114.5	5.6	328	6	US-10-468-333-2 Sequence 2, Appl
6	111	5.4	728	6	US-10-425-114A-63691 Sequence 53691, A
7	106	5.2	390	5	US-09-908-576-39 Sequence 39, Appl
8	104.5	5.1	479	7	US-60-490-890-381 Sequence 381, App
9	102.5	5.0	262	6	US-10-425-114A-69173 Sequence 69173, A
10	101.5	4.9	1254	5	US-09-976-858-165 Sequence 165, App
11	101	4.9	476	1	PCT-US02-26584-16 Sequence 16, Appl
12	100	4.9	384	7	US-60-490-890-2694 Sequence 2694, Ap
13	99.5	4.8	591	6	US-10-425-114A-54512 Sequence 54512, A
14	99.5	4.8	904	1	PCT-US03-03551-16 Sequence 16, Appl
15	99	4.8	380	6	US-10-425-114A-46684 Sequence 46684, A
16	98.5	4.8	381	6	US-10-425-114A-65501 Sequence 65501, A
17	98	4.8	252	6	US-10-425-114A-59644 Sequence 59644, A
18	98	4.8	554	7	US-60-487-610-2668 Sequence 2668, Ap
19	98	4.8	554	7	US-60-495-115-70 Sequence 70, Appl
20	98	4.8	628	7	US-60-495-115-69 Sequence 69, Appl
21	97.5	4.7	407	6	US-10-425-114A-55894 Sequence 55894, A
22	97.5	4.7	445	1	PCT-US03-10749A-34 Sequence 34, Appl
23	97.5	4.7	1091	7	US-60-478-196-3122 Sequence 3122, Ap
24	97.5	4.7	1566	7	US-60-479-073-22 Sequence 22, Appl
25	97	4.7	204	6	US-10-646-381-7 Sequence 7, Appl
26	97	4.7	462	6	US-10-425-114A-68274 Sequence 68274, A

ALIGNMENTS

RESULT 1

PCT-US02-29560A-239  
Sequence 239, Application PC/TUS0229560A

GENERAL INFORMATION:

APPLICANT: Afar, Daniel  
APPLICANT: Aziz, Natasha  
APPLICANT: Gish, Kurt C.  
APPLICANT: Hevezi, Peter A.  
APPLICANT: Mack, David H.  
APPLICANT: Wilson, Keith E.  
APPLICANT: Zlotnik, Albert

APPLICANT: Eos Biotechnology, Inc.

TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and Methods of Screening for Modulators of Cancer

FILE REFERENCE: 018501-002710PC

CURRENT APPLICATION NUMBER: PCT/US02/29560A

PRIOR FILING DATE: 2002-09-17

PRIOR APPLICATION NUMBER: US 60/323,469

PRIOR FILING DATE: 2001-09-17

NUMBER OF SEQ ID NOS: 412

SOFTWARE: PastSeq for Windows Version 3.0

SEQ ID NO 239

LENGTH: 359

TYPE: PRT

ORGANISM: Homo sapiens

PCT-US02-29560A-239

Query Match 6.1% Score 126; DB 1: Length 359;

Best Local Similarity 20.6% Pred. No. 0.09; Mismatches 148; Indels 78; Gaps 11;  
Matches 72: Conservative 52;

QY	23	VKVGELSGSVTIKCPLEPMHVRIVLCREMGASGTCGTWSTTFIKAEYKGRVTLK---	79
DB	22	VKVGEGAGPSVTLPCYSGAVTSMCNRGSCSLTCQNGIWTNGTHVTKDKRYKLIG 81	
QY	80	QYPRKNLFELVEYQTLESQSDGVYACGAGMNTDRKTKQVTLNVHSEYEPSEWEEQMPETP 139	
DB	82	DLSRDRDVLST-IENTAVSDSGVYCCRV---EHRGWFNDMKITVSLIIVP-----P 127	
QY	140	KWFHLPYLFQMPAYASSKSFVTRVTTPAQRCKVPVHHSSPTTQITHRPRVSRASSVAGD 199	
DB	128	KVTTTPIVTTVTVTVTSTVTTTPTTPTTPTTPTTPTTPTTPTTPTTPTTPTTPTTPTT 185	
QY	260	KPRFLPSTTASKI-----SALEGLLKPO-- 223	
DB	186	PTTTSIPITTSVPVTTTSTVTPVPMPLRQNHPEVATSPSPQPAETHPTTLOCAIRREP 245	
QY	224	--TPSYNHNT-----RLHRQALDYGSOSGREGOCFHILPTILGLFLLA 266	

```
Db 246 TSSPLYSTIDGNDVTIESSDGLWNNNQTLFLEHSLLIANTTKGIYAGV-CISVLVLLA 304
QY 267 LGLVAVRAVERRRKALSRRARL-AVRMRALLESSORPGRSPRSONNIY 315
Db 305 LLGVIILAKYFFKKEVQOOLSVSFSLQIKALQNAV----EKEYOQEDNIY 350

RESULT 2
PCT-US02-26584-3
; Sequence 3, Application PC/TUS0226584
; GENERAL INFORMATION:
; APPLICANT: HOOPER, Craig
; APPLICANT: DIETZSCHOLD, Bernhard
; TITLE OF INVENTION: Recombinant Antibodies, and Compositions
; TITLE OF INVENTION: and Methods for Making Them
; FILE REFERENCE: 8321-110 PC
; CURRENT APPLICATION NUMBER: PC7/US02/26584
; CURRENT FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: US 60/314,023
; PRIOR FILING DATE: 2001-08-21
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 474
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US02-26584-3

Query Match 6.0%; Score 122.5; DB 1; Length 474;
Best Local Similarity 19.8%; Pred. No. 0.23; Indels 149; Gaps 20;
Matches 80; Conservative 50; Mismatches 125;

QY 4 WLWPLYFLPVSGALRIILPEVKVEGEL-----GGSVTIKCPLEMHVRIYL---CR 50
Db 7 WLF-----LVAILKGVOCEVOLLESGGGLVQPGSLRSLSCAASGFTFSNYAMSNVR 57
QY 51 EMAGSG-----TCGTVVSTTNFIKAEYKGRVTLKOYPRKNLEFVEVTLQTSDSGVYACGA 106
Db 58 QAPCKGLEWVSASISAGSHSTYLABSVKGRFTISRDNKNTLYLQMNLSRAEDTAVYICA- 116
QY 107 GMNTDRGKTQVTLNVHSEYEPESEQPMETPKWFHLPYLQFMPAYASSSKFVTRVTP 166
Db 117 ---KDREVTMIVLNGGFDY---KCGQ-----TRVTVS 143
QY 167 AQRCQVPPVHHSSPTTQIHRPRVSRASSVAGDKPRTFLPSTTASIKISALEGLLKPTQPS 226
Db 144 SASTKGPSVFLPASPSTKST-----SGGTAALGCLVKDYF-----EPVTVS 184
QY 227 YNHHTLHRQRALDYGSGREGGCFHILIPIL---GLFLALLGLVVKRAVERRKALS 283
Db 185 WN-----SGALTSCVH-TFPAVLQSSGLYSLSSVTVTPSSS----- 219
QY 284 RRARRLAVMRALLESSORPGRSP-----RPRSONNIYSACPRRARGADAAGTGEAPVPGP 336
Db 220 ----LGTQTYICNVNHNKPSNTKVDKRVKPSCKTHI-CP-----PCPAP 259
QY 339 ---GAP-----LPPAP---LQVSESPWLHAPSLKTSCEYVSILYHQ 372
Db 260 ELLGGPSVFLFPKPKDLMISRTP-----EVTGVVVDVSHE 296

RESULT 3
US-60-490-890-2601
; Sequence 2601, Application US/60490890
; GENERAL INFORMATION:
; APPLICANT: Li, Martha
; APPLICANT: Rupnow, Brent A.
; APPLICANT: Webster, Kevin R.
; APPLICANT: Jackson, Donald
; APPLICANT: Wong, Tai W.
; TITLE OF INVENTION: BIOMARKERS OF CYCLIN-DEPENDENT KINASE MODULATION
; FILE REFERENCE: D0310 PSP
; CURRENT APPLICATION NUMBER: US/60/490,890
```

```
; CURRENT FILING DATE: 2003-07-29
; NUMBER OF SEQ ID NOS: 2779
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2601
; LENGTH: 820
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-490-890-2601

Query Match 5.7%; Score 118; DB 7; Length 820;
Best Local Similarity 21.8%; Pred. No. 0.84;
Matches 66; Conservative 33; Mismatches 102; Indels 102; Gaps 11;

QY 112 RGKTQKVLNVHSEYEPESEQPMETPKWFHLPYLQFMPAYASSSKFVTR-----VTTP 166
Db 346 RRRSSASLSGSSSSSSRSRSPPKPKP-----PKRTSSPFRKTRRLSPASPP 394
QY 167 AQRCQVPPVHHSSPTTQIHRPRVSRASSVAGDKPRTFLPSTTASIKISALEGLLK 221
Db 395 RRRRPSPPATPPKTRDSPTPOOSNTRKSRVS-----VSPGRTSGKV-KHKGIEK 445
QY 222 PQTPS-----YNHHTLHRQRALDYGSGREGGCF 252
Db 446 RESPSAPKPKRVKVELSESEEDKGGKMAAADSVQORRQYRRQNQSSDSGSSSSSEDER- 504
QY 253 HILIPITILGLFLLALICLVVRAVERRRKALSRRARLAVRM-----RALESSORPGR- 304
Db 505 -----PKRSHVKNCEYGRRRRHSPSRASPSPRKQKETSPPGRRR 545
QY 305 -SRPP-----RSQNNIYSACPRRARGADAAGTGEAPVPGGAPLP-PAPLOVSSSPMLHAP 358
Db 546 RSPSPPTRRRRRSPSPAPPPRRR-----TPTPPRRRTSPSPRRRSPRRYSP 596
QY 359 SLK 361
Db 597 PIQ 599

RESULT 4
US-60-490-890-632
; Sequence 632, Application US/60490890
; GENERAL INFORMATION:
; APPLICANT: Li, Martha
; APPLICANT: Rupnow, Brent A.
; APPLICANT: Webster, Kevin R.
; APPLICANT: Jackson, Donald
; APPLICANT: Wong, Tai W.
; TITLE OF INVENTION: BIOMARKERS OF CYCLIN-DEPENDENT KINASE MODULATION
; FILE REFERENCE: D0310 PSP
; CURRENT APPLICATION NUMBER: US/60/490,890
; CURRENT FILING DATE: 2003-07-29
; NUMBER OF SEQ ID NOS: 2779
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 632
; LENGTH: 1106
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-490-890-632

Query Match 5.7%; Score 117; DB 7; Length 1106;
Best Local Similarity 22.3%; Pred. No. 1.4;
Matches 82; Conservative 33; Mismatches 130; Indels 122; Gaps 17;

QY 110 TDRGKTQKVLNVHSEYEPESEQPMETPKWFHLPYLQFMPAYASSSKFVTRVTPAQ- 168
Db 346 SDRAKHONRT---HSNEK-----PYVCKLPCTK-----RYTDPSSL 379
QY 169 KGKVPVPHHSSPTTQIHR-----PRVSRASSVAGDKPRTFLPSTTASIKISALEGLLK 221
Db 380 RKHVKTIVH--GPDADVTKRHRGGLPRLPAPSISTVEPKREREGGPITRESRLVPEGAMK 437
QY 222 PQTPSYNHHTL---HQRALDYGSGREGGCF----- 251
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Db 438 PQ-PSFGQSSCDSPHSPAGSAANTDSGVEMTGNAGGSTEDSSLDGSPCIAGTGLSTLR 496  
QY 252 -----FHILPT-ILGLFL--LALLGLVYKRAVERRKALSR-----ARRLAVR 292  
Db 497 RLENRLDQLHQLRPIGRGLKPLSLSHGTGTVSRVGPVPSLERSSSSSSSISSAYIVS 556  
QY 293 MRALESSORPRSPRQNNIYSACPR-----RARGADAAGTGAPVGP-----GAP 341  
Db 557 RSSLASPPPGSPENGASSLPGMLPAHQHYLLRARSAROGGTSP7AASLDRIGGJP 616  
QY 342 LPP-----APLOVSESPWLHAPSLKTSCEYVSLYHQPAAAMEDS 380  
Db 617 HPPWRSRAFYPCYNPNAGVIRASDPAQAADR-----APARVORFASLQCVHTPTTVAAGG 673  
QY 381 DS-DDYI 386  
Db 674 QNFDPYL 680

RESULT 5  
US-10-468-333-2  
; Sequence 2, Application: US/10458333  
; GENERAL INFORMATION:  
; APPLICANT: Nakamura, Yusuke  
; APPLICANT: Sugano, Sumio  
; APPLICANT: Kato, Yutaka  
; APPLICANT: Takahashi, Tomohiro  
; APPLICANT: Shirakawa, Kamen  
; TITLE OF INVENTION: Novel Cell Adhesion Molecule of Activated Leukocyte  
; FILE REFERENCE: 03-775  
; CURRENT APPLICATION NUMBER: US/10/468,333  
; PRIOR FILING DATE: 2002-08-15  
; PRIOR APPLICATION NUMBER: PCT/JP02/01321  
; PRIOR FILING DATE: 2002-02-15  
; PRIOR APPLICATION NUMBER: JP 2001-39196  
; PRIOR FILING DATE: 2001-02-15  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 328  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-468-333-2

Query Match 5.6%; Score 114.5; DB 6; Length 328;  
Best Local Similarity 21.7%; Pred. No. 0.5;  
Matches 75; Conservative 37; Mismatches 124; Indels 109; Gaps 15;  
QY 3 RMLWPLYFLPVSGALRILPEVKVGEGLGGSVTIKQPLPEMH----- 43  
Db 43 RW-----SMQVPEVSAEA--GDAAVLPCTFTPHRHYDGLPTAINRAGEPYAG 89  
QY 44 VRIYLCREMAGSGTGTVVSTNFIKAEYKGRVTLKQYPRKNLFLVEVYLTQTESDGYVA 103  
Db 90 POFVRCAAARGSELQATALS-----LHGFRLLGNPRNDLSLVRERLALADRRYF 141  
QY 104 CGAGMNTDRGKTQKVTNLNVHSEYEPSEWEO--PMPTPKWFHLPYLFQMPAYASSSKFVTR 162  
Db 142 CRVEFAGD-----VHDREYSEHGVLVHTAARIVNISVL-PSFAHA-----FR 184  
QY 163 VTTPAQGVKVPVHHSSPTTQITHRPVRSVASSVAGDKPRTYLPSTTASKISALEG---L 219  
Db 185 ALCTAE-GEPPP-----ALAWSGPA--LGNSLAARVSPRECHGHI 221  
QY 220 LKPTQTSYNNHTR-----LHRQALDYGSO-SGRECOGFHILPTILGLFLALLGL 270  
Db 222 VTALPALTHDQRYTCTAANSLSGRSEASVYLFREFGASGASTVALLLGLGFKALLLIGV 281  
QY 271 VYKRAVERKALSRARRLAVRMRALESSORPRGSPRPSQNNIY 315  
Db 282 LAARAARRP-----EHLDTPTDTPRPSQAESNY 310

RESULT 6  
US-10-425-114A-63691  
; Sequence 63691, Application US/10425114A  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jingdong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E.  
; APPLICANT: Tabaska, Jack E.  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114A  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 63691  
; LENGTH: 728  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: IIR3060-059-F10\_FLI.pep  
US-10-425-114A-63691  
Query Match 5.4%; Score 111; DB 6; Length 728;  
Best Local Similarity 32.6%; Pred. No. 2.2;  
Matches 43; Conservative 6; Mismatches 39; Indels 44; Gaps 5;  
QY 230 HTRLHRQALDYGSGSQGQGFHILPTILGLFLLALLGLVYKRAVERRK---ALSRR 286  
Db 27 HARVGRKRCRPAQRQHGREQG-----GQPVVRRRGAALCRRR 65  
QY 287 RLAVRMRALESSORPRGSPRPSQNNIYSACPRRARGADAA-----GTGEAPVP 336  
Db 66 RRGASATAGVASSGAGTGNPRAR-----DAGRRRGVGAAGAAADDCGEGAAAAP 119  
QY 337 G-----PGAPLPP 344  
Db 120 GRGVLPRPAAP 131

RESULT 7  
US-09-908-576-39  
; Sequence 39, Application US/09908576  
; GENERAL INFORMATION:  
; APPLICANT: Genentech, Inc.  
; APPLICANT: Ashkenazi, Avi  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Flivaroff, Ellen  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, A.  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Hillan, Kenneth, J.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Mather, Jennie P.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William, I.  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: 10466-14

```

; CURRENT APPLICATION NUMBER: US/05/908,576
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US/09/665,350B
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; Remaining Prior Application data removed - See File Wrapper or PAIM.
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 39
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-908-576-39

Query Match          5.2%; Score 106; DB 5; Length 390;
Best Local Similarity 23.5%; Pred. No. 2.3;
Matches 77; Conservative 36; Mismatches 130; Indels 84; Gaps 14;

Qy 61 VVSTNFKAEYKRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKT----- 115
Dy 84 VLSYINGVTTSKPGVSLVYSPNSLSL-RLEGQEKDGGPYSCSVNQDKGKSRGHSI 142
Qy 116 QKVTNLNVHSEYPSWEQPMETPKWPHLPYLFOMPAYASSKSFVTRVTPPAORGKVPV 175
Dy 143 KTLLENV-----LVPAP-----PSCRLQGV- 164
Qy 176 HHSSPTTQITHRPRVSRSSVAGDKPRTFLPSTTASKISALEGLLKQTPSYNHTLHR 235
Dy 165 HVGANVTLSQSPRSKPAVQYQMDRQLPSPQTFPAPALDVIRGSL-----LTNLS 216
Qy 236 QRALDYGSGSRE-----GQGFHI-----LIPTILGLFLLALLGLVWKRAVE 277
Dy 217 SMAGVYCKAHNEVGTACQNVTLVSTGPGAAVVAGAVGTGLVGLGLLGLVLIYHR--- 273
Qy 278 RRKALSRARRLAVMRRALESSQRPGRSPRSONNI-YSCPRRRARGADAAGTGEAPVP 336
Dy 274 RGALEBPANDIK-----EDATAPRTLWPFKSSDTISKNGTLLSSVTSARALRPPHGP-P 326
Qy 337 GPGAPLPAPLQVSESPWLHAPSUKTS 363
Dy 327 RPGA-LIPTPSLSSQA--LPSPLPTT 350

RESULT 8
US-60-490-890-381
; Sequence 381, Application US/60490890
; GENERAL INFORMATION:
; APPLICANT: Li, Martha
; APPLICANT: Rupnow, Brent A.
; APPLICANT: Webster, Kevin R.
; APPLICANT: Jackson, Donald
; APPLICANT: Wong, Tai W.
; TITLE OF INVENTION: BIOMARKERS OF CYCLIN-DEPENDENT KINASE MODULATION
; FILE REFERENCE: D0310 PSP
; CURRENT APPLICATION NUMBER: US/60/490,890
; CURRENT FILING DATE: 2003-07-29
; NUMBER OF SEQ ID NOS: 2779

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; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 381
; LENGTH: 479
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-490-890-381

Query Match          5.1%; Score 104.5; DB 7; Length 479;
Best Local Similarity 20.7%; Pred. No. 3.8; Mismatches 147; Indels 167; Gaps 25;
Matches 96; Conservative 53;

Qy 5 LWPXYLPV--SGA-----LRILPEVKVEGELAGSVTIKC-----PLPEMHVIRYILCREMAG 54
Dy 18 LWPLLLLLLETGAQDVRVQVLPEVR--GQGGTVELPCHLLPPVPGVLISLVLTQRPDA 75
Qy 55 SGTCTGVVS-----TTNFIAEKY-GRVILKQYPRKNLFLVEVTQLTE 96
Dy 76 PANHQNVAAFHPKMGSPFPSPKPGSERLSFVSAKOSTGQDTEAELQDATAL--HGLTV 132
Qy 97 SDSGVYACG-----AGMN-----IDRGKTQKVT-----LVHSEYEP-- 128
Dy 133 EDEGNTCFEATFPKGSVRGTMWLRIAPKPKNOAEAKVTFSODPTTVALCISKEGRPPA 192
Qy 129 -----SWEQPMETPKWPHLPYLFOMPAYASSKSFVTRVTPPAORGKVP-----P 174
Dy 193 RISWLSLDEAK--ET-----QVSGTLAGTVTVTSKFTLVPSGRAUGVTVTCK 239
Qy 175 VHHSS-----PTQITHRPRVSRSSVAGDKPRTFLPSTTASKISALEGLLKQTPS 226
Dy 240 VEHESEFEPALIPVTLVSVRYRPEV-----SISGYDDNMVYLGRTDALSCDVR--NPEPTG 293
Qy 227 YNHHTRLHQRALDYGSGS-----REGQGFHILPTILGLFLLALLGLVWKRARRKA 281
Dy 294 Y-----DWSITTSCTPTSAVAGSOLVIHAVDSLENITFV-CTVTNAV-----G 336
Qy 282 LSRARRLAVMRRALESSQRPGRSPR-----EAPVPGG-----APLPAPLQ 348
Dy 337 MGRAEQVIEVR-----ETPRASPRDVGPLVMGAVGGTLLVLLLAGGSLAFILLRVR 389
Qy 321 RARGADAAGT-----EAPVPGG-----APLPAPLQ 348
Dy 390 RRKSPGGAGGAGSGDGGFYDPAQVILGNGDVPFVTPVPGPME 432

RESULT 9
US-10-425-114A-69173
; Sequence 69173, Application US/10425114A
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114A
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 69173
; LENGTH: 262
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-2MROB73030B03_FLI.pep
US-10-425-114A-69173

Query Match          5.0%; Score 102.5; DB 6; Length 262;
Best Local Similarity 25.1%; Pred. No. 2.5;
Matches 53; Conservative 23; Mismatches 72; Indels 63; Gaps 10;

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Qy 164 TTPAQRGKVPVPHHSSPTTQITHRPRVSR-----SSVAGDKPRTFLPSTTASKISALEG 218

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Db 16 TMPVYKKICPPPLHGEPA-----ISAADFLGTSAARARFRSF--SSASRNSSL-- 64
QY 219 LKQTPSYNHHIRUHQRALDYSQSGREGQGHILPTILGLFLALLGLVVKRAVER 278
Db 65 -----TMAWRHSMLOKARSPRYMKTS-----FPS-----SA 91
QY 279 KALSRERRRLAVRMRA-LESSORPGSP-----RRSONNIYSACPRRARGDAAGT 330
Db 92 RHMSQHENSATRNAAPPPPPARPDTPGPHRLVAHRPLHASSDTSRAAR-RGMDIRGA 150
QY 331 GEAPVPGPC-----APLPAPLQVSESPWLH 356
Db 151 RAAPAGSGSPSASSAARIPSPPTASRRH 181
```

## RESULT 10

```
US-09-976-858-165
; Sequence 165, Application US/09976958
; GENERAL INFORMATION:
; APPLICANT: Gish, Kurt C.
; APPLICANT: Mack, David H.
; APPLICANT: Wilson, Keith E.
; APPLICANT: Afar, Daniel
; APPLICANT: Peter, Hevezi
; TITLE OF INVENTION: Methods of Diagnosis of Prostate Cancer, Compositions and Methods
; TITLE OF INVENTION: of Screening for Modulators of Prostate Cancer
; FILE REFERENCE: 05882.0183.NPUS00
; CURRENT APPLICATION NUMBER: US/09/976,858
; PRIOR FILING DATE: 2001-10-12
; PRIOR FILING DATE: 2001-03-16
; PRIOR FILING DATE: 2001-03-16
; PRIOR FILING DATE: 2001-05-04
; PRIOR FILING DATE: 2001-05-04
; PRIOR FILING DATE: 2001-05-04
; PRIOR FILING DATE: 2001-03-16
; PRIOR FILING DATE: 2001-04-24
; PRIOR FILING DATE: 2001-04-24
; PRIOR FILING DATE: 2001-04-06
; PRIOR FILING DATE: 2001-04-06
; PRIOR FILING DATE: 2001-01-24
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 165
; LENGTH: 1254
; TYPE: PRT
; ORGANISM: human organism
US-09-976-858-165
```

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Query Match 4.9%; Score 101.5; DB 5; Length 1254;
Best Local Similarity 25.4%; Pred. No. 19;
Matches 59; Conservative 34; Mismatches 88; Indels 51; Gaps 15;
QY 160 VTRVTP--AORGKVPVHHSSPTQITHRPVRSASS-----VAGDXPRFLPSTASK1 213
Db 131 VTRNLDPDUTARKKAPPKPPKAPTALTALRSK-SMTSELELVKDCKPEIVPASKPSR- 188
QY 214 SALEGL-LKP-----QTPSYNHHIRLHQRALDYS--QSGREGQGHILPTILGLFL 264
Db 189 -AENNAVEPRVAITIKQRP-----SRCFFAGSDMNSYIERQGIAMVTPTVPGSPK 238
QY 265 LALLGLVVKRAVERKALSRARRLAVRMRALESSORPGSPRRPRSONNIYSACP--RRA 322
Db 239 APFLG-IPRGWRRKSDSR-----IFLSGITEERQ-----FLAPPMLKFT 280
QY 323 RGDAAGTGEAPVPGGAPLPAPLQVSESPWLHAPSLKTSCEYVSLYHQA 374
Db 281 RSLSPMDISE-DIPPPQSVPPSPPPPTTY-NCPKSPIPRVYGTI--KPA 328
```

## RESULT 11

PCT-US02-26584-16

```
; Sequence 16, Application PC/TUS0226584
; GENERAL INFORMATION:
; APPLICANT: HOOPER, Craig
; APPLICANT: DIETZSCHOLD, Bernhard
; TITLE OF INVENTION: Recombinant Antinodies, and Compositions
; TITLE OF INVENTION: and Methods for Making Them
; FILE REFERENCE: 8321-110 PC
; CURRENT APPLICATION NUMBER: PCT/US02/26584
; CURRENT FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: US 60/314,023
; PRIOR FILING DATE: 2001-08-21
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 476
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US02-26584-16

Query Match 4.9%; Score 101; DB 1; Length 476;
Best Local Similarity 19.8%; Pred. No. 6.5;
Matches 80; Conservative 53; Mismatches 133; Indels 138; Gaps 24;
QY 1 MDRWLWPLFLPVSGALRIILPEVKV-----EGELGGSVTIKCPLEMHVRIYL---CRE 51
Db 1 MD-WTRFLFV-VAAATGVOSQVQVQSGAEVKKPGSVKXKASGCTENRYTVNWRQ 58
QY 52 MAGSGT---CGTV---STTNPKAEYGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGA 106
Db 59 APGQGLEWMMGIIPIFGTANYAQ-RFOGRLTITADESTSTAYMELSSLRSDDTAVYFC-A 116
QY 107 GMNTDRGKTOKVTLNVHSEYEPSPEQMPETPKWFLPYLFQMPAYASSSKFVIRVTP 166
Db 117 RENDNSGT-----YFSGWFD-----PWGQ-----GTLVTVS 145
QY 167 AORGKVPVHHSSPTQITHRPVRSASSVAGDXPRFLPSTASKISALEGLKPOQPS 226
Db 146 SASTKGFSVFPLAPSSKST-----SGGTAALGCLVKQYF-----EPVTVS 186
QY 227 YNHHIRLHQRALDYSQSGREGQGHILPTIL---GLFLLALLGLVVKRAVERKALS 283
Db 187 WN-----SGALTSGVH-TFPAVLQSSGLYSLSSVWTVSPSS----- 221
QY 284 RRARRLAVRMRALESSORPGSP-----RRPRSONNIYSACPRRARGADAGTGEAPVGP 338
Db 222 -----LGTQTYICNVNKKPSNTKVKRVEPKSCDKTHI-CP-----PCPAP 261
QY 339 ---GAP-----LPPAP---LQVSESPWLHAPSLKTSCEYVSLYHQ 372
Db 262 ELLGSPSVFLFPKPKDTLMISRTPE-----EVTGVVDVDSHE 298

RESULT 12
US-60-490-890-2694
; Sequence 2694, Application US/60490890
; GENERAL INFORMATION:
; APPLICANT: Li, Martha
; APPLICANT: Rupnow, Brent A.
; APPLICANT: Webster, Kevin R.
; APPLICANT: Jackson, Donald
; APPLICANT: Wong, Tai W.
; TITLE OF INVENTION: BIOMARKERS OF CYCLIN-DEPENDENT KINASE MODULATION
; FILE REFERENCE: D0310 PSP
; CURRENT APPLICATION NUMBER: US/60/490,890
; CURRENT FILING DATE: 2003-07-29
; NUMBER OF SEQ ID NOS: 2779
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2694
; LENGTH: 384
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-490-890-2694
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Query Match 4.9%; Score 100; DB 7; Length 384;
Best Local Similarity 21.3%; Pred. No. 5.9;
Matches 87; Conservative 56; Mismatches 145; Indels 120; Gaps 21;

QY 13 VSGALRI-LPEVKVEGELGGVTKICPLPEMHVRIYLCREMAGSGICGTVYITNF----- 57
DB 39 VRGSLNVLNSWLLRRRAGGAVSARYVLPDEAARLLQE-GGGVAAVYVLDQGSRHQ 97

QY 68 -IKAEYKGRVTL-----KQYPRKNFLVEVTQ-LTFESGCV 101
DB 98 KLRSEARVVLTSLLACLPAGRWYFLKGYEYFYSEYPECCVDVXPISOEKLESSRAL 157

QY 102 YA-CGAGMNTDRGKTQKTVLNVHSEYEPSWDEQMPETPKWFLHLYPLFQMPAY-ASSSKF 159
DB 158 ISQCG-----KPVNVV--SYRPAYDQGPVEI-----LPFLYLSAYHASKCEF 199

QY 160 VTRVTIPAQKGVPPVHHSSPTTQIHRPRVSRASSVAGUKPRTFLPSTASKISALEGL 219
DB 200 LANL-----HITALNVSRRTSEA-----CMTHL 223

QY 220 LKPTPPSYNHHT--RLHRORALDYGSGSGGOGFHILI-----PTILGLF-LAL 267
DB 224 HYKWTIPVDSHTADISSHFQADIF-IDCVRE-KGGKVLVHCEAGISRSPTICMAYIMKT 281

QY 268 LGLVVKRA---VERKALSRARLAVRMRALESQRPRGSRPRSQNNIYSACPRRARG 324
DB 282 KQFRLKEAFDYIKORRSMVSNFGFMGOLLOYEAILP-STNPQP-----PSCQGEAAG 335

QY 325 ADAAGTGEAPVG-----PGAPLPAPLOVSESWLHAP-SLKTSC 364
DB 336 SSLIGHLQTLSPDMQOGAYCTFPASVLAPVTHSTVSELSRSPVATATSC 384

RESULT 13
US-10-425-114A-54512
; Sequence 54512, Application US/10425114A
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114A
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 54512
; LENGTH: 591
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB4119-123-G6_FLI.pep
US-10-425-114A-54512

Query Match 4.8%; Score 99.5; DB 6; Length 591;
Best Local Similarity 21.5%; Pred. No. 11;
Matches 94; Conservative 55; Mismatches 184; Indels 105; Gaps 20;

QY 8 LYFLP---VSGALRI-LPEVKVE--GELGSGVTIKCPLPEMHV---RIYLCREMAGSGTCG 59
DB 9 LWRPELLEERTYTPAIDWSCGILGELFTKKPIFOANLELAQLELLSRUCGS-PCP 67

QY 60 TVVSTTNFIKAEYKGRV-TLKQYPRKNFLVEVTQLTESDGSVYACGAG-----MN'DRG 113
DB 68 AV--WPDVIKLPYFNTMKPKQYRER-----LREFSFIPSAALDLDDHMLIDPS 166

QY 114 KTKQVTLNVHSEYEPSWDEQMP--PETPKWFLHLYPLF-----QMPAYASS 156
DB 117 KRCTAEQTLQSDFLKDVLSKMAPDPLHMQDCHELWSEKRRRQSGVVVEEPPPKTS 176

Query Match 4.8%; Score 99.5; DB 1; Length 904;
Best Local Similarity 21.4%; Pred. No. 17;
Matches 88; Conservative 45; Mismatches 142; Indels 137; Gaps 20;

QY 21 PEVKVEGELGGS-VTIKCPLEPMHVRI-----YLCREMA-----GS 55
DB 171 PPKTQALAGSLVSTCGCGKHVLVORHLADGRLYHRSCFCQCSCTLHSGAYKAT 230

QY 56 GTCGTVVSTTNFIKAEYKGRVTLKQYPRKNFLVEVTQLTESDGSVYACGAGMNTDRGKT 115
DB 231 GEPGTFVCTSHL-----PAAASAPSKLTGLVPROPGAMGVDSRTSCSPQKA 276

QY 116 QKVTNLNVHSEYEPSWDEQ-----MPETPKWFLHLYPLFQMPAYASSSKFVTRVTTAQ--- 168
DB 277 QEANKARPLAWEPAPAGNSPARASVPAAPN-----PAATSATS--VHVRSPARP 324

QY 169 -----RGKV-PPVHHSSPTTQIHRPRVSRAS-----VAGDKPRT 203
DB 325 SRLAPTTEGKVRPRVTNSPMGWSGAAPCTAAASHAPVPSAPUPRPAITQCGGAPKV 364

QY 204 FLPTSTTASIKSALEGLKPO--TPSYNH-----HTRLHRORALDYG--SOSGREGQGHILI 256
DB 385 AAPQTILSSSSTSAATVDPAPATPSASRTQOARKFFQTSVAPPGTSLSGRG----- 436
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QY 257 PTILGLELLALGLVVRRAVERKALSRARRARLAVRMRALESSQRPGSPRPRSONNIYS 316  
Db 437 PT-----PSVLKSKDSKQARNFLKQALS----ALEEA---GAPAPGRPSPAYA 479  
QY 317 ACPRRARGADAAGTGEAPVPGGA-PL-----PPAPLQVSES 352  
Db 480 AVP-----SQPKTEAPQASPLAKPLOSSPRVLGLPSRMEPPAPLSTST 525

RESULT 15  
US-10-425-114A-46684  
; Sequence 46684, Application US/10425114A  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jingdong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E.  
; APPLICANT: Tabaska, Jack E.  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114A  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 46684  
; LENGTH: 380  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: 70116C303\_FLI.pep  
US-10-425-114A-46684

Query Match 4.8%; Score 99; DB 6; Length 380;  
Best Local Similarity 23.4%; Pred. No. 6.8;  
Matches 45; Conservative 14; Mismatches 61; Indels 72; Gaps 8;  
QY 170 GKVPVHHSSPTT---QIIHPRVSRASSV-----AGDKPRTFLPSTTASKISALEGLLK 221  
Db 56 GRLPPHRHPVAGTVPGLEHRHRRHHGAVOPERAGGERPHRALVRP-----RGVRV 105  
QY 222 PQTESYNHHTLRQRALDYS-QSGREGQGFHILPTILGLFLLALLGLVVKHAVERK 280  
Db 109 PAARGREHHPRRRARLQRGGVHAGVGGRGV----- 142  
QY 281 ALSRRARLAVRMRALESSQR-----PRGSPRPRSONNIYSACPRRARGADAAGTGEAPV 335  
Db 143 ----KRRRARGDHGVRADRRRLRGPPGGGPAP-----VAPRRPQGR----- 180  
QY 336 PGGAPLPPAPL 347  
Db 181 ---GAPLPRAPL 189

Search completed: September 14, 2003, 04:25:47  
Job time : 13 secs